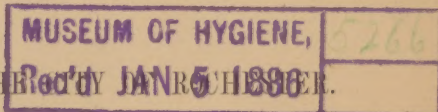


5-2 Box 1318
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REPORT
OF THE
BOARD OF
WATER COMMISSIONERS,

OF THE
CITY OF ROCHESTER,

TO THE
COMMON COUNCIL OF THE CITY OF ROCHESTER.



JANUARY 1st, 1875.

ROCHESTER, N. Y. :
DEMOCRAT AND CHRONICLE PRINTING HOUSE, NO. 3 WEST MAIN STREET.
1875.

REPORT
OF THE
BOARD OF WATER COMMISSIONERS,
OF THE
CITY OF ROCHESTER.
JANUARY 1st, 1875.

— ♦ ♦ —
OFFICE OF THE BOARD OF WATER COMMISSIONERS,
OF THE CITY OF ROCHESTER.)

TO THE HONORABLE THE COMMON COUNCIL

Of the City of Rochester :

GENTLEMEN—We have the honor to submit to you the following Report of progress made in the construction of Water Works, for the City of Rochester, during the past year :

The Report of the Chief Engineer, herewith submitted, furnishes statement of work done and such detailed information in its connection as properly belong to his direction and charge. It will be observed that very much has been accomplished, and the Works have been so rapidly pushed forward that we may now, with some confidence, begin to anticipate their speedy completion at no very distant day, and with some certainty proceed to take into an account the great and manifold advantages which are to result therefrom.

We do not think we can be fairly charged with indulgence of the boastful spirit, which so commonly is exhibited by citizens over whatever pertains to their localities, if we say, that our Water Works are to be ranked among the

most complete and efficient which will be found either in this or any other country. Every requirement, whether as regards purity and quantity of water to be supplied, permanence and skill in construction, strength and durability of materials, facility for use in protecting property against fire, convenience of working and economy in operating expense—has, we believe, been fully regarded.

What the Water Works are Doing and can do.

From the Genesee River we are now pumping water into over fifty miles of pipes connected with 478 hydrants; yet our contract called for pumping machinery from the Holly Manufacturing Co. with capacity which should be equal to filling only eight miles of pipes and supplying less than 100 hydrants. Every fire district, except one, is now embraced within the protection of our water pipes. From any hydrant in that large area of territory, actual trial has demonstrated, a stream of water may be thrown at least 100 feet high with 100 pounds pressure upon the pipes at the Engine House. And more than that, ten such streams of water may be raised to the same height under the same pressure and from any ten hydrants at once. To do this, we have pumps which are worked with water power at a merely nominal cost; or if those should fail, we have steam engines working directly on piston pumps, or piston engines which may be connected with rotary pumps, or rotary engines to work rotary pumps. If the water should fail in Brown's Race, we have a pipe connection with the Carroll & Fitzhugh Race, so that when needed, the supply can be there obtained. Or if all fail, and the races give no water, or the Genesee River yields not at all, or machinery all fails to do its work, connecting valves may be opened from the pipes from Hemlock Lake, and water thence be supplied. From the first reservoir we have a head of 127 feet. From the second, which is in Rush, we have a total head of 245 feet. From Hemlock Lake we have a head of 388 feet. At the first reservoir are gates, which, when closed, will cut off the flow of the water into it, and send the current straight on and down to the city hydrants under the head of 245 feet from the Rush Reservoir. If more head is needed still, the gates provided there may be also closed, and the whole head of 388 feet of Hemlock Lake be applied, and thus make that system of supply as powerful for throwing fire streams, as the Holly system when working under its best conditions.

What the Water Works Have Already Done.

No one who beheld, can ever forget that beautiful spectacle when the first public display of our Water Works was made. But in that scene of brilliancy

and splendor it cannot be forgotten that streams of water of diameters and volumes never before attempted to be thrown high into the air, were sent upwards from our pipes to heights unparalleled in the history of hydraulics, and in contravention to all formulas hitherto known to science. Yet not a pipe was broken nor even a leak started.

Some of our citizens have, on one occasion, seen four hydrant streams thrown at once, each 100 feet vertically into the air under 100 pounds pressure at the pumps, after the water had been forced through nearly three miles of pipe and fifty-nine feet above the Engine House.

A fire was lately extinguished in the remote north-western part of the city, by streams thrown from hydrants 1,700 feet, or nearly a third of a mile, away from the fire. The wooden building which burned had been nearly consumed except the front, before the hose could be laid to carry the streams. But so rapid was the work of the streams when brought to play, the *front* of the building was saved without injury beyond five dollars in value.

All these astonishing results have been exhibited, together with a continuous service for a year, and not a single joint has been forced, out of over twenty-five thousand made. Every pipe laid has been tested at 130 pounds after it was laid, thus presenting a rare advantage for assuring perfect construction, which our Holly system has enabled us to obtain.

In short, we are justified in believing, that if the work which has already been done, which constitutes more than two-thirds of the whole, has proved so signal a success, the remainder, when finished, will perfect the greatest enterprise in which our citizens have ever embarked into a perpetual source of exultant pride and rejoicing.

Were Water Works Necessary?

But admitting that our Works are thoroughly satisfactory in every way, so far as concerns construction, the great question after all is—Was so large an expenditure necessary at this time, and could not the work have been better postponed to a future period?

The long drouths of the past year, through one of which we are now passing, must have satisfied every one that eighty thousand people cannot longer expect to live here dependant solely upon the water which may descend in rain. These drouths are each year becoming more protracted in duration, while each year the wants for water are increasing and greater corresponding distress therefore resulting. Wells and springs are either drying up or else

have become so defiled by pollution from the manifold causes incident to the life of large populations, as to be utterly unfit for use. No one has water enough, while a large number have suffered from absolute need of this prime necessity of life. Here and there is a boastfully provident friend who professes to have had a plentiful supply ; yet even he is unwilling to own the truth that many a bath has been intermitted in his household, and many a washing-day passed over, because there was no water to spare.

Pressing Demand for Water.

The pressing demand for water has been continuous at the office of this Board, for months past. While many have been supplied, more have either helped themselves, or been kindly helped by generous neighbors who have been very generally free to give away water, to all comers who wanted it, in quantities as desired, even though it did not belong to them to give. The Commissioners have been aware that thousands of gallons are daily appropriated in this manner ; but in view of the known water famine which has prevailed, they have thus far taken no measure to arrest it.

It is our conviction, derived from ample observation, that Water Works have not come a day too soon to meet the absolute need of our people, and avert from them the calamities which the want of pure and wholesome water is certain to entail. The argument of the strict economist, that what one has always done without one may continue to do without still longer, may be good enough, if conditions remain the same. Before the forests were cleared, the snow which fell into them was held so that it might gradually melt and percolate through the ground into the springs below, and so, also, with the rainfall which was sheltered by the overhanging leaves and branches from rapid evaporation by the sun. Thus the springs and streams were slowly but surely reinforced with pure water. But now as the fallen snow, unsheltered by forest trees, is speedily melted under the direct rays of the sun, the water rushes to the nearest stream and is carried in torrents away to lake or ocean and yields nothing to famishing springs below.

Now, vault and cesspool, sink and sewer, decayed vegetable and animal matter, offal and ordure mingle in liquid filthiness and run down to wells and springs, thence to be drawn and drank—although perhaps dissolved and concealed in apparent purity of water, but in fact foul and poisonous and hiding the seeds of disease and death. Such is the water which people in Rochester drink, who draw from wells, and have been compelled to drink because they had no other.

All cannot have Rain Water enough.

Here and there may be some rich and comfortable citizen who has many apartments to his house and many and extensive roofs to cover them, and thus is fortunate enough to catch with them as much water as he may need. But these are few. The roofs which cover the greater part of our population, are far more diminished in catchment area, and those who live beneath them are in larger number to be supplied. And what aggravates the privation is that rain-falls are too few and far between.

It is too obvious to all at this time, whatever doubt may have existed months or years ago, that for the health, comfort and absolute needs of the people of this large and rapidly growing city, an artificial supply of pure and wholesome water has become inexorably imperative.

Was so Large an Expenditure Necessary?

When the subject of water supply was so generally discussed two or three years since, it was very earnestly contended by a number of gentlemen of intelligence, who also paid large amounts of taxes, that the waters of the Genesee River were ample in quantity and suitable in quality to supply the City of Rochester, and satisfy every use for years to come; and that, by availing ourselves of it, we should save largely in the cost of Water Works; and thus the great question of ample supply at the least possible cost would find its plainest solution. It will be remembered that the Water Commissioners took strong grounds against the use of the water of the Genesee River:—

1st. Because of its hardness.

2d. Because during much of the year it was turbid, muddy and impure.

3d. Because its supply was entirely inadequate.

The experience of the past year has fully established each and every objection then made, and clearly demonstrated that Water Works, depending solely upon that source, would have proved an absolute failure, in every view they might be regarded.

There has been no time during the past year when water in the Genesee River has been plentiful in supply, when it has not been so muddy as to be unfit for any use, without settling, except for extinguishment of fires, sprinkling streets, lawns or gardens; and, on the other hand, when it has been clear, it has been in such scant supply as to compel the use of the steam pumping-set, because there has not been water enough to supply the pipes and also furnish power to run a water pumping-set. Such has been the actual continuous

experience, that whenever the water was not muddy, there was not enough to be had.

As to its hardness, the testimony has come from every quarter that it was on that account unavailable, and its use for either domestic or manufacturing purposes has been everywhere repudiated, except where none other could be had.

It was, therefore, indispensable to seek water which is soft, clear and in abundant supply. None in all the region around can be found to compare with that of Hemlock and Canadice Lakes. Lake Ontario would have furnished excellent water for drinking, but too hard for domestic and manufacturing uses. The expense would have been nearly as great in actual immediate construction—and far greater in yearly cost of operating complex and powerful mechanical appliances. Besides, if there was choice, and upon it was to largely depend the health, the comfort and prosperity of many people and thousands to come after them in succeeding generations, it was the highest wisdom to choose the purest, the softest and the best. Future generations are to pay the cost, and as they are denied, the choice of the water they are to have, they are fairly entitled to the best, when their money is to pay for it.

We therefore are brought inevitably to the conclusion that, in order that the City of Rochester should have such Water Works as alone were proper to be constructed and to meet every needed requirement, it was necessary to go to the waters of Hemlock and Canadice Lakes for supply.

It may be asked, in this connection, if the Holly system was not, then, a needless extravagance and what was its purpose?

We reply, that a water supply was immediately needed. The city was absolutely without fire protection, except within a distance of five to ten hundred feet of the Erie canal. The Holly system has, perhaps, already saved property enough in one year to pay all it has cost. It is an invaluable adjunct to a gravitating system of Water Works, to be used mainly for the extinguishment of fires; and incidentally, in case of accident to or interruption of the Hemlock supply, it can assume the whole supply, or part of it, from the Genesee River.

What Revenue may be Expected.

There has been a general aversion to adopting the water from the Genesee River for domestic or manufacturing uses, except in cases where it has been found absolutely necessary in consequence of deficient supply from other sources. Outside of these cases, the consumption has been confined very gener-

ally to sprinkling streets, lawns and gardens. This could not be expected to foot up a very large amount of revenue. The regulations adopted by the Board of Water Commissioners forbid the use of sprinklers without inside use. But the water was so impure it was thought best to suspend the regulations until pure water could be supplied, which would of itself compel a general use and carry its own money value.

We have collected up to Jan. 1st, \$2,655.73, and have estimated as yet due and remaining unpaid about \$7,500, which together will amount to about \$10,000.

Small though the amount may seem, the collection of it has afforded many most encouraging suggestions regarding the future.

1st. We discover that the most general calls for connections with the mains come from the streets where are the homes of those of moderate or even humble means, rather than those inhabited by the wealthy.

2nd. Reports are daily made to us of the practical exhaustion of the sources of water supply heretofore depended on, and anxious enquiries from all sorts of people as to when the waters of Hemlock Lake may be expected.

3d. A demand for manufacturing uses has been developed which has largely exceeded our most sanguine anticipations, but it is universally waiting for the soft and pure water of Hemlock Lake.

From these and other observations, we are greatly encouraged to believe that it will not be a very long time after the waters of Hemlock Lake shall be supplied, to obtain a revenue which shall go far towards, if not actually, making the Works self-sustaining.

Other Advantages besides Revenue.

But there is a statement of profit and advantage which, justly, should be credited to the Water Works account, if not upon the books of the Treasurer, at least by every tax-payer, when considering or discussing the question of revenue or counting the cost of the Works.

Saving in Fire Insurance Effected.

The amounts of annual premiums paid on fire insurance policies in the City of Rochester before the introduction of Water Works, was not far from \$400,000. Fully three-fourths, if not seven-eighths of the insurable property in it is now protected by the Water Works. As a natural consequence, the fire

insurance companies, recognizing the fact, at once reduced the rates of insurance, but only to the amount of twenty per cent. This reduction has not been looked upon by the owners of property as sufficient, in view of the entire want of proper protection against fire before the introduction of Water Works—and the remarkably perfect protection which is now afforded. The great majority have, therefore, taken the responsibility to assume more risk themselves and largely reduce the amounts of their policies—some as high as one-half or even more, while there are few who have not reduced at least twenty per cent. It may, doubtless, be fairly stated that the average reduction of risk has been at least twenty per cent. But for our purpose, we will assume that the total reduction in rates and amount of risks has been equivalent to a saving of forty per cent. on the amount of fire premiums heretofore paid.

If we assume, besides, that \$300,000 was the amount of premiums formerly paid upon property embraced within the protection of the Water Works, the actual saving effected, then, would be \$120,000 per annum.

This city is entitled to much further reduction in fire insurance rates. *It is now the best protected city or town in the United States, and the safest in which to insure.*

It is not only in regard to the facility for the extinguishment of fire afforded by its efficient Water Works, that there is to be found its immunity from extensive conflagrations, but in the peculiar construction of the city itself. In many other cities the buildings are all, or mostly, in continuous blocks, separated only by narrow streets. A fire originating in one building of a block is liable to communicate to the others adjoining. The same compactness of construction renders a burning building more inaccessible for extinguishment, and more certain, therefore, of greater loss resulting from fire before water can be brought to bear upon it. On the other hand, all our buildings, except those devoted to business, are isolated, less liable to catch fire from adjacent burning buildings, and if on fire are easily approached from every side. Our streets are wide, and fires originating in the business portions of the city are accessible and easily controlled.

We are informed that the underwriters of the city recognize all these peculiar conditions, and also that their Companies have not made a proper reduction of rates; and accordingly they have made the necessary representations to their principals for the purpose of inducing them to concede a further and more satisfactory reduction.

Saving of Property from Destruction by Fire.

The Chief Engineer of the Fire Department has reported to the Common Council, that the losses by fire in the city during the year 1874, amounted to \$73,000. And he justly takes occasion to remark, "That when we consider that during the year there were between 70 and 80 fires, it certainly seems marvelous that there should have been, comparatively speaking, such trifling losses."

The Fire Marshal reports that the total losses by fire in Rochester for ten years previous to 1874, amounted to \$1,253,400, or to an annual average loss of \$125,340.

The total amount of losses by fire in Rochester, for *six* years previous to 1874, was \$900,380, or equal to an average annual loss of \$150,000.

The saving, therefore, caused by Water Works the first year in this direction alone, is equal to \$77,000, which in thirty years, by the time the Water Works bonds mature, if the proportion of buildings liable to be burned should not increase at all, would pay more than two-thirds of the whole cost of the works.

The comparison of the past six years is the only fair and proper one, as it has been during that period that our valuable and efficient Fire Department has been brought to its present perfection of equipment, thoroughness of discipline and personal efficiency.

This Saving Caused by Water Works.

That the saving in loss by fire has been effected by the Water Works, is well known. No steamer of the Fire Department has played upon a fire in the districts covered by the Water Works, for many months; nor in the past year has a fire occurred within the range of the hydrants of the Water Works, when hydrant streams have not played first upon it and had it well under control before the steamers have been ready to play their streams upon it.

Our citizens have become accustomed to repose with confidence upon the never failing protection of our Water Works and the prompt efficiency of the Fire Department to set the hydrants in play as soon as the alarm is sounded. No longer does the dread alarm-bell startle from sleep, as it sounds at midnight

when biting frosts or rushing winds make the thought of fire seem terrible. We lift our heads from our pillows and listen for the strokes of the bell and count their numbers. We do it twice or thrice, or more perhaps, and then the alarm ceases. The firemen have reached the spot, the hydrants have begun to play, and all danger is passed.

Value of Water Works for Fire Purposes and public use.

It must not be forgotten, when taking note of profit and loss of the Water Works account, that the only alternative in the early history of the discussion of Water Works, if the city should not build its own Water Works, was that it should contract with the Rochester Water Works Company, and in that contract agree to pay that Company \$70,000 per annum for thirty years, for the use of 400 hydrants for fire purposes, and also for the use of public buildings, and for no other purpose whatever. The Works of the city now supply 478 hydrants and all public buildings. If 400 hydrants were worth \$70,000 to the city then, it would seem plain enough 478 *hydrants now in use* are worth *at least as much*, and should be always credited in taking account of profit and loss on the cost of Water Works.

Value of Water Works from other considerations.

No pecuniary estimate can be put upon the *enhancement of the value of property which results from the mere fact of the existence of Water Works in our city.*

This consideration is too much lost sight of. No one can deny that a sewer constructed or a street improved along the front of a lot adds a substantial value, which its owner and all others at once take into account, varying according to the necessity or character of the improvement, from ten to fifty per cent (and perhaps, even one hundred per cent.) upon the value of the lot before the improvement was made. It is not because a substantial addition is in any way made to the property, but that the improvement has added to the *desirability* of it for residence or business, as it may be. That is exactly the consideration which attaches to the presence of water pipes connected with Water Works laid along the front of any piece of real estate. They are looked upon to provide perfect facility for an abundant supply of pure water for every use, for the necessities, comfort, cleanliness and health of the occupant of the adjacent

lot, and to protect his property thereon from fire,—or it may be, to make the lot suitable for manufacturing purposes. The lot, therefore, becomes largely *more desirable* for occupation, and at once takes on increased pecuniary value, as a necessary consequence.

It is believed (and the statement is confirmed by the opinion of the City Assessors,) that our water pipes are now laid along the front of real property, valued a year since at no less than \$60,000,000. Can any one fairly deny that real estate has been enhanced *at least* 5 per cent. in value by reason of the mere presence of Water Works in proximity to it? If so, the increased value alone of the real estate of the city, by reason of the construction of Water Works, amounts to at least \$3,000,000—or the whole cost of the works.

Another consideration, valuable in this connection, is the further enhancement in the value of real property occasioned by the coming of strangers here to reside, attracted by *the greater desirability for residence or the greater facilities for manufacturing purposes afforded by Water Works*. Capital is thus drawn here, larger fields for employment opened in extending manufactures, and greater demand for real estate created. New uses for capital of our citizens will be developed in manufactures in which pure water is a prime essential ingredient or necessity, and thus new sources of wealth revealed. Our city will enter upon a new life, and expand into greater proportions and wider activities. It has had all other things, save this one most valuable thing—pure water, to make it beautiful and prosperous. With this secured, it may challenge comparison in every advantage pertaining to residence or business to be presented by any city, and hopefully begin a new chapter in the history of its progress and wealth.

Summary of Advantages.

We may thus sum up the advantages already apparent, after use of Water Works for *only a single year* :

Saving in Insurance.....	\$120,000
Saving in destruction of property by fire.....	77,000
Annual value for fire purposes	70,000
<hr/>	
\$267,000—	

an amount more than enough to offset all possible interest and cost of maintenance, even though not a dollar of revenue should be derived from the Works.

Besides all this, is an absolute appreciation of the value of property fully equal to, if not largely exceeding, the whole cost of the works. If such shall be the immediate effect, what must it be when thirty years shall have passed away and the bonds become due, and the causes and effects alluded to have been longer at work and larger populations have been affected.

**Posterity is to pay the Principal and with
vastly more ability to pay.**

And, after all, the burthen of the debt incurred for the cost of these Water Works, is to rest upon the people who shall constitute the generation which is to be here in the year 1902, when the bonds issued for construction shall mature. They will then be enjoying all the manifold benefits which the Water Works shall confer: their ability to meet the responsibility of payment of the bonds will be vastly strengthened and increased; and there will be a very much larger population among whom it shall be divided.

In 1842 the assessed valuation of property of the City of Rochester was only \$4,385,896 and the population was 22,000. In 1872, thirty years after, the assessed valuation of property was over \$13,000,000 (or about \$70,000,000 actual valuation) and the population was about 70,000.

The increase in property in thirty years was 196 per cent., and the increase in population 218 per cent.

It is entirely fair, then, to assume that thirty years thereafter, viz., in the year 1902, when the water bonds are to mature, that the *actual* valuation of the real property of the City of Rochester will be, at least, \$185,000,000, and the population 200,000.

We have, therefore, to deal with the question of *interest* alone, and as against that, we have already shown largely countervailing benefits which are more than equivalent in value to the whole amount of interest to be paid, together will all operating expenses, without taking into account a single dollar of revenue certain to be derived from the Works.

A candid examination of all that relates to the subject of Water Works must inevitably force the conviction, that nothing has ever been undertaken by the City of Rochester, so beneficent in design or momentous in its character as affecting its future prosperity and sure advancement, or so certain of satisfactory pecuniary results. In whatever way viewed, they are destined to prove

paying investment. The actual revenue which will be derived after the pure lake water is delivered to us will surprise the most sanguine. Two or three years of taxation may be necessary to meet deficiencies, in amounts necessary to defray interest, but not much longer. And, as the people begin to fairly enjoy the luxury of the free use of water unsurpassed in purity, which is brought into their households, they will then appreciate that in counting the cost they will find it vastly overbalanced by the almost priceless blessings it bestows.

ROSWELL HART.

JOHN BOWER,

WM. H. BOWMAN.

C. C. MORSE,

GILMAN H. PERKINS,

Water Commissioners.

REPORT

OF THE

SECRETARY

TO THE

BOARD OF WATER COMMISSIONERS.



To the Board of Water Commissioners :

GENTLEMEN—I respectfully submit the following statement as an exhibit of the financial resources and disbursements of the Board to January 1st, 1875. to-wit :

RESOURCES.

Total amount placed to the credit of the Board of Water Commissioners by the City Treasurer, for Water Loan Bonds sold	\$3,000,000 00
For accrued interest on bonds at the time of sale.....	41,539 42
For interest received on deposit balances.....	22,346 19
	\$3,063,885 61

TOTAL DISBURSEMENTS.

(As per vouchers drawn on the City Treasurer.)

For the purchase of lot (with three water rights) on Brown's Race, on which is erected the Holly Works Engine House.....	\$ 16,500 00
For the purchase of two additional water rights on Brown's Race.....	7,000 00

For the purchase of two water rights on Carroll & Fitzhugh Raceway.....	3,000 00
For the purchase of lands in town of Rush for storage reservoir.	6,093 90
For the purchase of lands near Mt. Hope, for Distributing Reservoir.....	35,187 74
For the purchase of lot east side Mill street to Brown's Race, opposite Engine House, for storage and repair shop.....	12,000 00
For the purchase of lands at foot of Canadice Lake.....	2,250 00
For the purchase of lot and building between Erie Canal and Pinnacle Avenue, for storage of water pipes and other materials.....	10,221 33
For the purchase of Right of Way to lay and maintain Water Works pipes.....	24,557 11
For the construction of the Holly Works building, machinery, &c.	200,784 36
For the operating expenses of Holly Works at engine house.....	8,886 86
For account of iron pipe delivered, trenching and laying same for both Holly and Lake systems, and construction of the two reservoirs.....	1,703,016 40
For valves, gates and hydrants.....	60,257 19
For service pipe, trenching and laying same to street curb, tapping mains, including taps, cocks, covers, and other materials and labor in rendering service to consumers.....	60,251 81
For engineering expenses, including inspection and general superintendence.....	63,646 97
For service of Water Commissioners.....	10,250 00
For services of Secretary of the Board.....	2,812 50
For services of City Treasurer, as Treasurer of the Board.....	750 00
For legal services.....	3,044 38
For office furniture.....	876 15
For interest on Water Loan Bonds to January 1st, 1874.....	25,631 40
For transportation of sundry materials.....	884 05
For Town Taxes on Rush Reservoir.....	53 10
For Water Meters purchased.....	134 00
For account of miscellaneous construction and general expenses.	155,079 12
	<hr/>
	\$2,413,168 37
Cash balance with City Treasurer.....	650,717 24
	<hr/>
	\$3,063,885 61

WATER WORKS REVENUE.

To cash received for rent of small dwelling house near Distributing Reservoir.....	\$ 52 00
To cash received for water rents.....	2,655 73
	<hr/>
By cash deposited in Bank of Monroe and undrawn.....	\$2,707 73

Respectfully submitted.

C. T. AMSDEN,

Secretary.

January 2d, 1875.

CITY TREASURER'S OFFICE, }
 Rochester, N. Y., Feb. 5th, 1875. }

To the Board of Water Commissioners :

GENTLEMEN—I hereby certify that the unexpended balance of the Rochester Water Works fund in my custody, upon the 1st day of January, 1875, amounted to \$650,717.24.

Very Respt. Yours, &c.,

JOHN WILLIAMS,

Treasurer.

REPORT
OF THE
CHIEF ENGINEER
TO THE
BOARD OF WATER COMMISSIONERS.

ENGINEER'S OFFICE, ROCHESTER WATER WORKS, }
JANUARY 1ST, 1875. }

To the Honorable the Board of Water Commissioners :

GENTLEMEN—In pursuance of directions received from you, I herewith respectfully submit my Yearly Report of the Department of Construction and Repairs connected with the Rochester Water Works.

In a Supplement to my last Yearly Report, I gave a synopsis of the work accomplished to that date, and also a statement of the results obtained at a trial of the Works so far as completed, on the 18th day of February last. As this supplementary report related to matters which should properly be embraced in the report for the year 1874, I respectfully call attention to the same in this connection. The size and height of streams thrown on that occasion, the ratio between power applied and results obtained, were a surprise to the Hydraulic Engineers throughout the country. The secret of that success, however, is due first, to ample power provided at the pump house, and second, to such an adjustment of force Mains as regards sizes, bends, &c., as to reduce friction to a minimum.

The work of construction has progressed with remarkable vigor during the whole of the present season, both in the city distribution and on the conduit line. At the date of my last report, there had been laid in the city streets $11\frac{87}{100}$ miles of iron pipe: there has since been added $38\frac{89}{100}$, making a total of $50\frac{76}{100}$ miles. There have also been added 511 stop valves, making a total of 663,

also 350 additional fire hydrants, making a total of 478 now in use. Appreciating the scarcity of water throughout the city, not only for the suppression of fires, but for all other uses, the practice has been adopted to test and bring into immediate use the Water Mains as soon as laid in a street, the perfect intercommunication between the Hemlock and Holly systems of pipes, allowing this to be accomplished. As a consequence, the Holly machinery which was designed to supply 8 to 10 miles of pipe Mains and 100 hydrants, is now performing that duty for $50\frac{76}{100}$ miles. One water set very satisfactorily performs this service, except in case of heavy fires, when the other water set is also brought into use, or in case of low water, when the pumping is done with the steam set.

The hydrants now in use are mostly of the Mathews patent, manufactured by R. D. Wood & Co., of Philadelphia. The stop valves are made by the Ludlow Valve Co., of Troy, N. Y.

There have been 2,743 Service Taps inserted, about 2000 of which are now in use.

The following is a list of the iron pipe Mains of different diameters laid in the city :

3,500 lineal feet 24 inches diameter, Wrought Iron.						
7,344	"	20	"	"	Cast	"
31,167	"	16	"	"	"	"
26,165	"	12	"	"	"	"
6,806	"	10	"	"	"	"
41,756	"	8	"	"	"	"
71,485	"	6	"	"	"	"
77,983	"	4	"	"	"	"
833	"	3	"	"	Wrought Iron.	
82	"	$2\frac{1}{2}$	"	"	"	"
542	"	2	"	"	"	"
374	"	$1\frac{1}{2}$	"	"	"	"
<hr/>						
268,037 = $50\frac{76}{100}$ miles.						

Work on Conduit Line.

There have been laid in the Conduit Line at various points about 11 miles of pipe, leaving less than 17 miles yet to lay. There are now delivered nearly 7 miles of Conduit pipe on the line, ready for laying in the spring, and that amount is being constantly increased. The principal part of the right of way has been obtained and paid for : and the work can be very rapidly pushed from the commencement of the season.

Reservoirs.

The Reservoirs are nearly completed; the masonry foundations for carrying the pipes under the reservoir embankments have been constructed and the pipes put in. At the Distributing Reservoir, the 7 large gates controlling the whole Hemlock Lake circulation are in place in the Well-house, and the masonry for the Inlet Well is completed. There yet remains the construction of the central Fountain, which will require but little time, and the filling up the opening through the embankment excavated to put in the pipes.

Wrought Iron Supply Pipe.

As a part of the plan for operating the Holly Works, it has always been designed as a precautionary measure, to construct a wrought iron 24 inch Supply Pipe from the Carroll & Fitzhugh Race to the reservoir under the Pump House on Brown's Race. Preliminary to this, a purchase was made of two Water Rights on the Carroll & Fitzhugh Race. The Supply Pipe above described has been laid during the present season, and water can now be supplied to the pumps even if Brown's Race is drawn off for any purpose. A connection has also been made between this pipe and the 20 inch Hemlock Lake pipe in Main Street, so that when the Hemlock Lake water is obtained, a supply can be furnished to the pumps, even if the water be drawn from both races at once.

Laying Pipes over Main Street Bridge.

This work has perhaps given rise to as much discussion as any part of our plan of construction. The Extrados of the arches of the bridge were so near the surface of the roadway that there was no room for laying the Pipe Mains over them. The expense of diverting these Mains from the line of Main street and carrying them in a tunnel under the mills, races and river, at such a depth as would remove them from danger resulting from any future deepening of the river bed, and also providing a sewerage for said tunnel which would enable the pipes to be reached at any time for repairs,—could not have been less than \$50,000. The plan adopted, of cutting away sections of the arches and replacing with iron, carried up so as to form a complete double box in which 4 wrought-iron mains are packed in fine charcoal, has been accomplished at an expense of \$17,000, and in such a manner, I believe, as to entirely satisfy the public of the wisdom of the plan.

Demand for Extension of Mains.

By the original plan, the Commissioners were to lay 40 miles of Pipe Mains in the city. Already they have exceeded this amount by $10\frac{76}{100}$ miles; and to

complete the connection with the distributing reservoir, will require an addition of $3\frac{21}{100}$ miles, for which pipe is provided, which will make an aggregate of 54 miles of city distribution, or 14 miles more than was originally contemplated. Notwithstanding this increase, the demand for extension is unabated and pressing, and it comes in many cases in such a shape as to hardly admit of denial.

During the present season a demand was made on the Commissioners for the extension of a Water Main on North Avenue, and while it was not embraced in their plan of present distribution, yet the circumstances as narrated below, were such that they did not feel at liberty to refuse the demand. In the construction of the outlet sewer through that street, almost every, if not every well on the street was drained, and the deepening of the wells did not remove the difficulty. The people were without water for the ordinary purposes of life, rendering the extension of a water main indispensable: and this is only one of a large class of similar cases.

The demand for water in Rochester is somewhat peculiar and unlike most other cities. In canvassing the necessities and the probabilities of a large consumption of water in some of the comparatively new streets in our suburbs, the first impression is that there would be but few consumers and small revenue from such a street for years, while on careful investigation the fact is developed that during a considerable portion of the year a scanty supply of inferior quality for domestic consumption is obtained with the utmost difficulty, and thus when the water is brought to their doors they are consumers perforce.

To give reasonable fire protection for certain quarters of the city now totally unsupplied from any source, and to meet the demand for domestic purposes, I am satisfied that at least 10 to 15 miles of extensions should be immediately made. The recent extension of the city limits, including some avenues where large supplies are needed and would be used, and the inhabitants of which are petitioning for the extension, emphasizes the opinion above expressed. These extensions, in a majority of cases, would require only the smaller sizes of pipe; and as many of the expensive special castings and gates, have been inserted while laying other streets, the work of extension would be only moderately expensive.

The question may be asked by some, notwithstanding what has been said above, why the Water Commissioners should not make these extensions?

The answer to this is that the law limits the amount which the Water Commissioners are allowed to raise and expend, and that they have already, by the force of circumstances, been obliged to make *expenditures not properly belonging to construction*. It is very unusual in the history of Water Works,

that they are or can be operated for supply of consumers or suppression of fires during construction. But this is just what has been done here, and in consequence of this fact the construction account has been charged with all operating expenses, amounting to about \$9,000, as well as the furnishing and laying of all services from the mains to consumers, and the payment of several employees to act as inspectors of service and making repairs. This item of service alone amounts at this date to over \$60,000, and no doubt will be \$100,000 before the close of the present year.

In addition to this there has been paid at this date \$200,000 of bond interest out of the construction fund, but which the law provides shall be raised and paid by the Common Council, by tax upon the property of the city; and in addition to all this, as heretofore stated, the Commissioners have already put in or will have by early summer, 14 miles more of city distribution pipes than was originally contemplated—an item which amounts to about \$175,000.

The undersigned has always believed it good policy during the present construction, to provide for all the future an ample supply of water. The Commissioners, after careful and thoughtful examination of the whole subject, have also arrived at this conclusion, and such arrangements and constructions have been made, both in the construction of the Reservoirs and Conduit line, as to increase the supply to be received from Hemlock Lake, to 7,000,000 gallons per day. With these plans consummated, I am satisfied that we shall have a supply for at least 150,000 people.

Expected Completion of the Works and Cost thereof.

The work in the city and on the main line has so far progressed that no physical obstacle which I can now foresee, will prevent the introduction of Hemlock Lake water into the city some time during the year 1875. It is also believed by the undersigned, that the cost of construction of same, including the increased supply by the Conduit line, will not vary materially from \$3,000,000, providing the construction fund is not saddled with payments of bond interest, increased extension, and other accounts heretofore enumerated, which are no part of construction, and which no Engineer would regard as items to be included in an estimate of the cost of the construction of a system of Water Works.

Satisfactory Operation of the Work.

The Machinery at the Pump House has been in constant and very satisfactory operation since the first of January, one year ago. There was then a

comparatively small amount of pipe under pressure, but as soon as Spring opened and work was resumed, the pipes were put under pressure as fast as laid, so that fire protection might be given as soon as possible, and also relief obtained from the drought, which became very severe during the summer, and at this date still continues.

A considerable number of fires occurred within the district covered by the water mains, and in no case has the fire been extensive, but has almost invariably been confined to the building in which it originated. In almost every instance the building itself has been saved from entire destruction. The streams from the hydrants have in every case been very effective, and on no occasion have the works failed to respond to every demand made upon them, either at a fire or otherwise. Fires have been extinguished by streams of great power from hydrants 1,600 and 1,700 feet distant.

The repairs required by the Machinery have been very small in amount, and even these were rather in the nature of additions which experience indicated would increase the efficiency of operation and facility of adjustment and use of the Works.

The undersigned has caused duplicate pieces to be cast of the several peculiar and special shaped parts of the Force Main in the Engine House, so that any disabled part may be readily and quickly replaced. And it may be added that a few duplicate pieces of all special and unusual forms of castings throughout the whole work, in city or country, have been procured and kept in store, so that disaster to any portion of the work shall entail the smallest possible delay.

Facility of Management.

It is a part of the plan of construction to build a telegraph line from the city to Henlock Lake, using printing instruments, with a Station at each Reservoir and at the Lake. Each Stop Gate, both at the reservoirs and lake, and on the Conduit line, will be numbered, so that the whole may be as conveniently managed by the Superintendent or Engineer from his office, as the running of trains on a railroad are directed on a division.

Another object to be accomplished by this telegraph line, is to enable the Chief Engineer of the Fire Department to change the pressure on the domestic pipes from that given by the lower reservoir to that of the upper one, in case of a fire, when increased pressure seems to be desirable. It will also enable the Engineer at the Pump House to give immediate notice of any derangement of machinery or pipes.

The arrangement of our Works is unique, but simple: and they are so thoroughly connected and intercommunicable, that very many vastly important changes may be almost instantly made in an emergency to insure certainty of operation and efficiency, by the aid of this telegraphic communication, provided that the whole is always under the direction of a thoroughly competent and comprehensive mind.

Effective Distribution.

In the construction of Water Works in the past, perhaps more failures have resulted from defective or scanty distribution, than from almost any other cause. No matter how powerful the machinery may be, or how great the head, great results cannot be obtained if that power is wasted in overcoming friction in small pipes or abrupt and contracted bends. Main feed pipes of large size and in considerable numbers, should radiate from the source of supply towards the outskirts of a city, care being taken that pipes of small diameter shall not be laid over 400 or 500 feet without being fed by large ones: and also that the bends or changes in direction shall not be abrupt, and that at these points there shall be no contraction of the water way. With a proper adjustment of this kind, a sudden demand for large quantities of water at any point, as at a fire, is fully met, and with its force or pressure diminished only by minimum friction. It was such a plan of distribution, backed by powerful and effective machinery, which enabled us at our test on the 18th of February last to obtain so large a percentage of result to power applied. Some of our own citizens, even after that exhibition, expressed the opinion that effective fire streams would not be obtained in the outskirts of the city, at great distances from the Pump House. Experience and test, however, have demonstrated the utter fallacy of these notions, even when applied to our smallest mains. At distances of over two miles from the pumps, with ordinary fire pressure, streams of sufficient power have been obtained to force shingles from the roof of a nearly new building which was in flames. This has been our experience at fires since the introduction of Water Works, even when the streams have been delivered from a hydrant through 1,600 or 1,700 feet of hose.

For the purpose of further testing the efficiency of the Works, the following tests were made under the direction of the Chief Engineer of the Fire Department and the undersigned:

A hydrant was selected at the Rochester Driving Park, at a distance of 11,820 feet or over 2 $\frac{1}{4}$ miles from the pumps, and at an elevation of 28 $\frac{1}{2}$ feet above them: a pressure gauge was placed upon one nozzle and a length of 50 feet of hose with one inch tip on the other. A signal was given from a fire

box to the engineer to put on 100 lbs. per square inch pressure at the pump house. The hydrant was opened at 2:30 p. m. At 2:31 the gauge indicated about 70 pounds, and remained nearly stationary until 2:37 p. m. The altitude measured instrumentally was 125 feet, and the length horizontally $141\frac{1}{2}$ feet. At 2:38 p. m. two additional one-inch streams, each through one length (50 feet) of hose were thrown from an adjacent hydrant. At 2:38 $\frac{1}{2}$ p. m. the gauge indicated 70 lbs. with three fine one-inch streams playing; and at 2:39 it rose to 74 lbs. which was maintained until 2:42 p. m. when the hydrants were closed. A second observation on the stream farthest from the pumps while the three streams were playing, gave a height of 125 feet.

The size of the main in the street from which these streams were thrown is four inches, and has but one connection with the other mains of the city, that being with the eight inch in Lake Avenue nearly 3,000 feet from the hydrant from which one of the streams were thrown, it being a mere tail thrown out and dead ended, principally to supply the Driving Park.

On the same afternoon two hydrants on West Avenue, one (No. 3) on the south-east corner of Genesee street and West Avenue, and the other (No. 4) adjacent, were tested. No. 3 has three nozzles, is fed through a six inch pipe from a 12 inch main, and No. 4 has two nozzles, fed though a four inch pipe from a 12 inch main. No. 3 is 14,260 feet, or nearly $2\frac{3}{4}$ miles, from the pumps, and 59 feet above them. Single lengths of 50 feet of hose with one inch tips were attached in each case as before; two to hydrant No. 3 with pressure gauge between them and one to No. 4. The signal for 100 lbs. pressure at engine house was given at 3:26 p. m. when the gauge indicated 40 lbs.; at 3:28 p. m. it became 70 lbs.; at 3:29 $\frac{1}{2}$ p. m. one stream was thrown from No. 4, and at 3:32 $\frac{1}{2}$ p. m. two additional streams were thrown from No. 3. During the throwing of these three streams the gauge fluctuated from 65 to 70 lbs., during which time the observations were taken. The height attained was about 95 feet and the horizontal distance 144 feet.

A test of similar character was also made at corner of Greig and Clarissa streets under similar conditions, the elevation of the hydrants above the pump house being about 37 feet. The height attained by the streams was 101 feet, and the horizontal distance 190 feet, and the pressure gauge registered 78 lbs. A fresh breeze was blowing during the whole of these tests, and of course affected height of streams. In the last test, the distance from the pumps was 10,000 feet, and the water was furnished by a four inch pipe from a six inch main.

Meters.

Under the direction of the Board, the undersigned secured a considerable number of water meters, and made such necessary arrangements as were required to enable him to test their accuracy of registration and simplicity of construction.

These meters were carefully tested in these particulars and an accurate register of results kept, until the weather became too cold to continue the examination at the point selected. The meters were then put in actual service to test practical working and durability of parts. After remaining in service for several months they will be disconnected, examined, and again tested as to accuracy.

There are many manufacturing establishments here, in which water is used intermittently, and it is impossible to determine the amount of water used except by attachment of meter. I believe that a general metering of all establishments where a considerable quantity of water is used, would make an adjustment of water rents more satisfactory to all concerned, and would unquestionably cause the consumer to carefully prevent waste.

The experience of all large cities where Water Works have been long established, has been, that wastefulness in the use of water on the part of consumers has become so large a percentage of total supply that almost any expenditure is warranted to reduce it within reasonable limits: as with such waste continued, works which were designed and are really adequate for their populations for generations to come, have to be speedily duplicated at great expense, and their present effectiveness is very seriously impaired for fire suppression by unnecessary reduction of pressure: and the wasteful consumers pay no more than those using it judiciously.

From careful experiments made in this country and Europe, it has been demonstrated that where water is freely used by all classes and waste prevented, 40 gallons per head per day is a sufficient estimate to cover use for all purposes including fires. For many years hydraulic engineers were accustomed to estimate this amount in the construction of city works, and where this amount has been exceeded it has been traced almost exclusively to waste.

The anticipated capacity of our Conduit line from Hemlock Lake is 7,000,000 gallons per day: and eliminating unreasonable wastefulness in its use, this source alone should supply over 150,000 people, while the Holly Works have an equal capacity, and so far as water from this source is used will increase the capacity of the Hemlock Lake Works to supply even a larger population.

There are other reasons why such measures should be adopted as shall surely educate the people to appreciate the increasing commercial value of pure water, and to prevent wanton waste as carefully as they do that of fuel or gas.

First—As the country becomes more thoroughly cleared from timber, the swamps drained, and the farming lands ditched, the rains and melted snow find innumerable little water courses which speedily carry the water to the larger streams, producing alarming and destructive floods, which in a few days carry the water into the great lakes and the ocean: which floods are followed by deficient water supply and prolonged drouths. Formerly, however, every fallen leaf, twig and tree and undrained swamp, retarded the flow of water into the streams and temporarily restrained its flow, until it had time to saturate the soil and find its way down to deeper strata, in its course through or along which it occasionally again burst forth in living springs and running brooks throughout the driest season. Again, the country is rapidly increasing in population at its business centers, and an increased supply of water is required to be concentrated at these points, not only to supply the domestic needs of increased population, but also for use in its multifarious manufacturing and mechanical pursuits; so that great expense is involved in tapping natural catchment basins at a distance, or the construction of artificial storage lakes, or reservoirs on or near natural water channels.

For the reasons above given, the general attachment of water meters will, no doubt, become the policy of all Water Works Boards and Companies, as soon as the inventive genius of the country shall have devised a meter which to all its other merits shall add that of *cheapness*.

My own opinion is that the latter desideratum will have been reached when meters for ordinary house service can be furnished at from five to eight dollars each.

Gaugings.

Gaugings of Hemlock and Canadice Lakes have been continued during the present season for the purpose of verifying the calculations and estimates heretofore made of the quantity of water furnished by these lakes, and to put the city in possession of facts for use should any questions hereafter arise on account of diversion of water. These gaugings have satisfactorily disposed of the questions occasionally raised of the inadequacy of the supply of water for the purposes designed. It is not deemed desirable or necessary to give these results in detail at the present time.

As the question is still occasionally asked by our citizens, how are you to compensate the milling interest dependent on the water in the outlet of these

lakes, for the water abstracted for supplying the city of Rochester? I will again briefly restate the plan: It is proposed to make such constructions as will enable us to draw down the surface of both lakes eight feet during the dry season, and by so doing, supply water to both the mills and the city, thus making a reservoir of Hemlock Lake of 1,828 acres, eight feet deep, with a capacity of 4,764,920,371 gallons, equal to a supply of 13,054,576 gallons per day for the whole year; and of Canadice Lake a reservoir of 648 acres, eight feet deep, with a capacity of 1,689,096,499 gallons, equal to a supply of 4,627,661 gallons per day for the whole year, in addition to the ordinary daily contribution to the lakes from springs, streams, rains, &c.

The mill owners on the outlet have no claim upon the water from these lakes, except for such an amount as will flow through the natural outlets. It is estimated that the minimum flow of Hemlock Lake is 12,000,000 gallons per day, and of Canadice 2,000,000 gallons per day. The problem, then, resolves itself into the question of supplying both the mills and the city in the light of these figures.

The following comparative statement will show that we shall largely improve the water power of the outlet:

Amount which will be Furnished.

	Gallons.
Minimum which Hemlock now supplies per day	12,000,000
“ “ Canadice “ “ “	2,000,000
Hemlock used as a reservoir eight feet deep, supplies per day.....	13,000,000
Canadice “ “ “ “ “ “ “	4,600,000

Total minimum which will be supplied per day.....31,600,000

MINIMUM LEGALLY REQUIRED.

	Gallons.
From Hemlock, per day	12,000,000
From Canadice, “	2,000,000
For Water Works, “	7,000,000
	<hr/>
	21,000,000

Surplus furnished over legal demand, per day.....10,600,000

Assuming these figures to be approximately correct, it must be evident that Rochester will have no damages to pay to the mills, with the exception of the Hoppough Mill (when the head during the dry season will be reduced,) but on the contrary, the water power will be improved, not only on the outlet but even on the Genesee River at Rochester.

I am entirely satisfied that the millers at Rochester and on the outlet could well afford to assume the expense of such constructions as would produce these results, even if the city Water Works were not in question : and I believe they would have done so ten years ago had the subject been fully and properly presented. As it is, I am inclined to believe that not a long period will elapse before constructions will be made for storing the surplus waters of the Honeoye Creek and its tributaries, for keeping up a constant and uniform flow during the dry season. By wise and not very expensive provisions on this creek, and perhaps at certain points on the Genesee River for the storage of water, Rochester may regain and retain its ancient reputation as possessing one of the finest water powers in the world, and, at the same time and by the same means, materially decrease the danger from periodical floods, from which our city has so seriously suffered in the past.

Real Estate.

The following named pieces of property have been purchased by the Commissioners for the use of the Water Works :

One lot on Brown's Race and five water rights, being the lot on which	
Pump House is erected.....	\$23,500 00
One reservoir lot in town of Rush	6,093 90
" " " " east of Mt. Hope ..	35,187 74
One lot opposite Pump House between Mill street and Brown's Race,	12,000 00
One lot including warehouses and office on Erie canal, and Pinnacle	
Av. for pipe yard....	10,221 33
One lot at outlet of Canadice Lake.....	2,250 00
Two water rights on Carroll and Fitzhugh Race.....	3,000 00

The reasons for which the lot on Mill street was purchased were twofold. Our pipe main from the Pump House crosses this lot in such a way that any deep excavations, such as would be required in the erection of a business property, would expose and seriously endanger the pipes and gates connected therewith : and the lot is needed for the erection of a warehouse and shop where plumbing materials can be stored, and where the city can get out its own services and repair its gates, hydrant, &c., and the lot being located in front of the Pump House, power may be supplied from that point to the shop.

The pipe yard is admirably located for the purpose and will rapidly increase in value.

The lot at foot of Canadice Lake gives us control of the outflow of that lake and land on which to make the necessary constructions to control its waters.

The purchase of the land on which the Distributing Reservoir is located, gives access to South Avenue, and includes a dwelling house and about three acres of ground outside of the reservoir, on the road leading towards Brighton. To secure the site for the reservoir, it became necessary to purchase this surplus land. It can be advantageously used until the completion of the reservoir, when, if deemed expedient, it may be cut up into building lots and sold.

The reasons for the purchase of the remaining above mentioned lots are sufficiently obvious.

Flushing Sewers.

During the past season the Board of Health very wisely determined to flush the sewers of the city with water from the fire hydrants. The consent of the Water Board having been given, Mr. Geddes, the very efficient agent of the Board of Health, industriously engaged in this work, and I am informed by him that the result of his labor has been the flushing of over 40 sewers. Many of these were masses of corruption and filth, the result of years of deposit. In one notable case, the sewer was filled to the depth of 16 inches, and so foul that the opening of it for the purpose of making connection with the cellar of a house, caused the family to be afflicted with fever, resulting in the death of one of its members.

The means at the command of the Board of Health should be sufficient to enable them to continue and increase their well directed efforts in this direction.

Blow-off Branches into Sewers.

An important adjustment to any complete system of Water Works, is the frequent attachment of blow-off branches into main sewers. Several of these have been inserted at various points in the city, but very many which were designed have been omitted, either from the shallowness or frail character of the sewers, or from the knowledge that new and more permanent sewers will soon be built to replace those now in use. It is exceedingly important that as soon as the sewers are properly adapted to such use, these blow-offs should be inserted, as they perform the very important double function of cleansing the water pipes from sediment, and also flush the sewers.

In Table No. 1, hereto annexed, I submit a statement of the Fire Hydrants set and now in use in connection with the water supply of the city: and also their location, pattern, and other characteristics.

Table No. 2, also annexed, accurately locates each Stop Valve by measurement, and gives its characteristics.

Respectfully submitted.

J. NELSON TUBBS,
Chief Engineer.

TABLE No. 1,

SHOWING LOCATION, CAPACITY AND PATTERN OF HYDRANTS SET IN CON-
NECTION WITH CITY DISTRIBUTION UP TO JANUARY 1ST, 1875.

NAME OF STREET.	LOCATION.	System.	Capacity and Maker.
Adams Street.	N. E. Cor. Adams street and Plymouth Avenue.	D	2n. M.
From Exchange to Frances Sts.	N. E. " " " Caledonia "	D	"
	N. E. " " " Frances street.....	D	"
Alexander St.	On S. side Alexander st. 90 ft. W. of Alexander Park.	D	"
From Mt. Hope Av. to East Av.	On S. side Alexander st. 40 feet E. of Van st....	D	"
	S. E. Cor. Alexander and Cobb streets.....	D	"
	On W. side Alexander st. 150 ft. S. of Monroe Av.	D	"
	S. E. Cor. Alexander st. and Park Av.....	D	"
	On E. side, half way between Gardiner Park and East Av.	D	"
Allen Street,	S. W. Cor. Allen and State sts.....	H	"
From State to Broad Streets.	S. W. " " North Fitzhugh sts.....	H	"
	N. E. " " Sophia sts.....	H	"
	S. E. " " N. Washington sts.....	H	"
	N. E. " " Kent sts.....	H	3n. M.
	N. E. " " Oak sts.....	H	2n. M.
Andrews St.	S. E. Cor. Andrews and N. St. Paul sts.....	D	"
From N. St. Paul to North Sts.	On S. side, half way between N. St. Paul and N. Clinton sts.	D	"
	S. W. cor. Andrews and N. Clinton sts.....	H	2n. L.
	On S. side, half way between North Clinton and Chatham sts.	H	2n. M.
	S. E. cor. Andrews and Chatham sts.....	H	3n. M.
	N. W. " " North sts.....	H	2n. M.
Aqueduct St.	S. W. cor. Aqueduct and W. Main sts.....	H	"
From W. Main St. to Erie Canal.	N. W. " " Basin sts.....	H	2n. L.
	On W. side Aqueduct st., near " Bee-hive" build'g	H	2n. M.
Arnold Park.	In middle, one-third way between East Ave. and Park Ave.	D	"
	In middle, two-thirds way between East Ave. and Park Ave.	D	"
Ashland Street.	S. E. cor. Ashland and Gregory sts.....	D	"
Asylum Street.	S. E. cor. Asylum and E. Main sts.....	D	"
Atkinson St.	On S. side Atkinson st., opposite Washington st.	D	"
From Plymouth Av. to Ford St.	S. E. cor. Atkinson and Eagle sts.....	D	"
	S. E. " " Ford sts.....	D	"
Atwater Street	S. W. cor. Atwater and N. St. Paul sts.....	H	"
From N. Water to North Sts.	N. W. " " Pitt sts.....	H	"
	N. W. " " N. Clinton sts.....	H	"
	On N. side, half way between Joiner and St. Jo- seph sts.....	D	"

TABLE No. 1—Continued.

NAME OF STREET.	LOCATION,	System.	Capacity and Maker.
Atwater Street	N. W. cor. Atwater and Chatham sts.	D	2n. M.
(Continued.)	N. E. " " Leopold sts.	D	"
	N. E. " " Oregon sts.	D	"
Bolivar Street.	On W. side, half way between Jay and Smith sts.	D	"
Brisbane St.	S. W. cor. Brisbane st. and Lake Ave.	D	"
Broad Street.	S. W. cor. Broad and Allen sts.	D	"
Broadway.	N. E. cor. Broadway and Marshall st.	D	"
From Howell to Alexander Streets.	On E. side Broadway, opposite Denning st.	D	"
Brown Street.	On N. side, half way between Brown's Alley and Frank st.	D	"
From State to Francis Streets.	N. E. cor. Brown and Jones sts.	D	"
	S. W. " " Kent sts.	H	"
	N. E. " " Oak sts.	H	"
	S. E. " " Warehouse sts.	H	"
	S. W. " " N. Frances sts.	D	"
Caledonia Ave.	S. E. cor. Caledonia Ave. and Child's Alley.	D	"
From Erie Canal to Clarissa Street.	N. E. " " Spring st.	D	"
	N. E. " " Atkinson st.	D	"
	On E. side, half way between Edinburg and Hunter sts.	D	"
	S. E. cor. Caledonia Ave. and Thorn Alley	D	"
	N. E. " " Summer Alley	D	"
Campbell St.	S. W. cor. Campbell and Grape sts.	D	"
Canal Street.	On W. side, half way between West Avenue and Maple st.	D	"
Centre Street.	S. W. cor. Centre st. and Brown's Race.	H	2n. L.
From Brown's Race to Jones St.	N. W. " " " "	H	"
	S. W. " " State st.	H	2n. M.
Charlotte St.	On N. side Charlotte st. opposite Mathews st.	D	"
From Scio to Alexander Streets.	On " half way between East and Union sts.	D	"
	On " " Union & Lawrence streets.	D	"
Chatham St.	N. E. cor. Chatham and Amity sts.	D	"
Cherry Street.	N. W. cor. Cherry and E. Main sts.	D	"
Chestnut Park.	On S. side Chestnut Park, 225 ft W. of William st.	D	"
Chestnut St.	N. W. cor. Chestnut and Elm sts.	D	"
From East Ave. to Monroe Ave.	On W. side Chestnut st. 77 ft. S. of George st.	D	"
	N. W. cor. " and Monroe Ave.	D	"
Clarissa Street.	N. W. cor. Clarissa and Greig sts.	D	"
	N. E. " " Plymouth Ave.	D	"
Clifton Street	On S. side, between Prospect and Reynolds sts.	D	"
Clinton Place.	N. E. cor. Clinton Place and St. Joseph st.	D	"
From N. Clinton to North Sts.	N. E. " " Chatham st.	D	"
	N. W. " " Rome st.	D	"
N Clinton St.	N. W. cor. North Clinton and Mortimer sts.	H	2n. L.
From E. Main to Kelly Sts.	S. W. " " Pleasant sts.	H	"
	On E. side, half way between Andrews street and Clinton Place.	H	"

TABLE No. 1—Continued.

NAME OF STREET	LOCATION.	System.	Capacity and Maker.
N. Clinton St.	S. E. cor. N. Clinton st. and Clinton Place.....	H	2n. L.
(Continued.)	On E. side, half way between Clinton Place and Atwater street.....	H	"
	On E. side, half way between Ward and Kelly sts	D	2n. M.
	S. E. cor. N. Clinton and Kelly sts.....	D	3n. M.
S. Clinton St.	S. E. cor. S. Clinton and E. Main sts.....	H	2n. M.
From E. Main St. to Monroe Ave.	On E. side, half way between E. Main street and Johnson Park.....	D	"
	On E. side S. Clinton st. near Monroe Ave.....	D	"
College Avenue	On S. side College Avenue, opposite University building.....	D	"
Concord Ave.	On E. side, half way between Wesley and Grace streets.....	D	"
	N. E. cor. Concord Ave. and Milo st.....	D	"
Court Street.	S. E. cor. Court and Exchange sts.....	D	"
From Exchange to Union Streets.	S. E. " " S. St. Paul sts.....	H	"
	On S. side Court st. opposite Stone st.....	H	"
	N. E. cor. Court and S. Clinton sts.....	D	3n. M.
	N. W. cor. Court and Chestnut sts.....	D	"
	On N. side, half way between Chestnut and Wil- liam sts.....	D	2n. M.
	N. W. cor. Court and William sts.....	D	"
Cypress Street.	S. W. cor. Cypress st. and South Ave.....	D	"
Dean Street.	S. W. cor. Dean and Frank sts.....	H	"
	S. E. " " John sts.....	H	"
Delevan Street.	N. W. cor. Delevan and Finney sts.....	D	"
	On N. side, half way between Finney and Scio sts.	D	"
Division Street	On S. side, " " N. St. Paul and N. Clinton sts.....	H	2n. L.
East Avenue.	On S. side East Ave. opposite Stillson st.....	D	2n. M.
From East Main to Goodman Sts.	S. E. cor. East Avenue and Chestnut st.....	D	"
	S. E. " " " William st.....	D	"
	N. E. " " " East st.....	D	"
	S. W. " " " Union st.....	D	"
	S. E. " " " Alexander st.....	D	3n. M.
	S. W. " " " Meigs st.....	D	2n. M.
	S. W. " " " Arnold Park.....	D	"
	S. W. " " " Goodman st.....	D	"
Edinburg St.	On N. side Edinburg st., near N. W. cor. S. Fitz- hugh st.....	D	"
From Exchange St. to Caledonia Ave.	On N. side Edinburg st., near N. W. cor. Plym- outh Ave.....	D	"
	On S. side, half way between Plymouth and Caledonia Aves.....	D	"
Elizabeth St.	On E. side Elizabeth st. opposite Hill st.....	H	3n. M.
	S. W. cor. Elizabeth st. and Centre Park.....	D	2n. M.
Elm Street.	S. E. cor. Elm and E. Main sts.....	H	"
	On E. side, half way between E. Main and Chest- nut sts.....	D	"

TABLE No. 1—*Continued.*

NAME OF STREET. |		LOCATION.	System.	Capacity and Maker.
Ely Street.	S. E. cor. Ely and S. Water sts.	.....	H	3n. M.
From S. Water to	N. E. " " S. St. Paul sts.	.....	H	2n. M.
Stone Streets.	S. E. " " Church sts.	.....	H	"
	S. W. " " Stone	.....	H	"
Emerson St.	S. W. cor. Emerson st. and Lake Ave.	.....	D	"
Erie Street.	N. E. cor. Erie and Warehouse sts.	.....	H	"
Exchange Place	N. E. cor. Exchange Place and Mill st.	.....	D	"
Exchange St.	S. E. cor. Exchange and W. Main sts.	.....	H	2n + S M
From West Main to	S. W. " " " "	.....	H	"
Clarissa Sts.	S. W. " " Spring sts.	.....	D	2n. M.
	On W. side, one-third way between Court and	Troup sts.	D	"
	On W. side, two-thirds way between Court and	Troup sts.	D	"
	S. W. cor. Exchange and Troup sts.	.....	D	"
	On W. side, one-quarter way between Troup and	Adams sts.	D	"
	On W. side, one-half way between Troup and	Adams sts.	D	"
	On W. side, three fourths way between Troup and	Adams sts.	D	"
	S. W. cor. Exchange and Adams sts.	.....	D	"
	N. W. " " Edinburg sts.	.....	D	"
	S. W. " " Glasgow sts.	.....	D	"
	S. W. " " Hubbell Park	.....	D	"
	On W. side, one-third way between Hubbell Park	and Clarissa st.	D	"
	On W. side, two-thirds way between Hubbell Park	and Clarissa st.	D	"
N. Fitzhugh St	On E. side, half way between W. Main and Allen	streets.	H	2n. L.
S. Fitzhugh St.	S. W. cor. S. Fitzhugh and W. Main sts.	.....	H	2n + S M
From W. Main to	N. W. " " Erie Canal	.....	H	2n. L.
Edinburg Sts.	On E. side, half way between Spring and Troup	streets.	D	2n. M.
	On E. side, one-third way between Troup and	Adams sts.	D	"
	On E. side, two-thirds way between Troup and	Adams sts.	D	"
	On E. side, one-third way between Adams and	Edinburg sts.	D	"
N. Ford Street.	N. E. cor. N. Ford st. and Centre Park	.....	H	2n. L.
S. Ford Street.	S. W. cor. S. Ford st. and West Ave.	.....	D	2n. M.
	On W. side Ford st., 80 ft. N. of Spring st.	.....	D	"
N. Frances St.	N. W. cor. N. Frances and New York sts.	.....	D	"
	On W. side, half way between New York and	Brown sts.	D	"
S. Frances St.	N. W. cor. S. Frances and Clifton sts.	.....	D	"
	N. W. cor. S. Frances and Hunter sts.	.....	D	"

TABLE No. 1—Continued.

NAME OF STREET.	LOCATION.	System.	Capacity and Maker.
Hickory Street.	S. W. cor. Hickory st. and South Ave.	D	2n. M.
Hill Street.	On N. side Hill st., 120 ft. W. of Elizabeth st. . .	H	3n. M.
	S. E. cor. Hill and N. Ford sts.	H	"
House Refuge.	In front of building, and inside of wall	D	2n. M.
Howell Street.	S. E. cor. Howell and S. St. Paul sts.	D	"
Hudson Street.	S. E. cor. Hudson and Woodbury sts.	D	3n. M.
From Webster to Drayton Sts.	N. E. " " Wilson sts.	D	"
	N. E. " " Helena sts.	D	2n. L.
	N. E. " " Fochner sts.	D	3n. M.
	S. E. " " Drayton sts.	D	2n. L.
Hunter Street.	On N. side Hunter st., opposite Olean st.	D	2n. M.
From Caledonia Av. to Frances St.	On S. side, one-third way between Olean and Rey- nolds streets.	D	"
	On N. side, two-thirds way between Olean and Reynolds sts.	D	"
	On S. side, half between Reynolds and Frances sts. .	D	"
Irving Place.	S. E. cor. Irving Place and W. Main st.	H	2n + S M
	On W. side " at City Hall.	H	2n. M.
Island.	On Island, in rear of Bentley, Parsons & South- wick's Office, opposite Comfort st.	D	1n. N.
Jackson Street.	N. E. cor. Jackson and S. St. Paul sts.	D	2n. M.
James Street.	On S. side James st., 220 ft. E. of Chestnut st. . .	D	"
Jay Street.	On S. side, half way between Brown's Alley and Frank st.	D	"
From State to Grape Streets.	S. E. cor. Jay and Jones sts.	D	"
	On S. side, half way between Bolivar and Kent sts. .	D	"
	S. W. cor. Jay and Grape sts.	D	"
Johnson Park.	S. W. cor. Johnson Park and S. Clinton sts.	D	"
Jones Street.	N. W. cor. Jones and Centre sts.	H	2n. L.
	N. E. " Smith sts.	D	2n. M.
Kent Street.	On E. side, half way between Brown and Jay sts. .	D	"
King Street.	N. E. cor. King st. and West Ave.	D	"
From West Ave. to E. Maple St.	On E. side, opposite S. line of Madison Square . .	D	"
	S. E. cor. King and E. Maple sts.	D	"
Kirk Street.	N. E. cor. Kirk and North sts.	D	"
Lafayette St.	See "Adams street."		
Lake Avenue.	N. W. cor. Lake Avenue and Lyell st.	D	"
From Lyell St. to Wm. Furcell's.	S. W. " " White st.	D	"
	N. W. " " Spencer st.	D	"
	N. W. " " Jones Ave.	D	"
	On E. side, half way between Jones Avenue and Lorimer st.	D	"
	On E. side, half way between Lorimer street and Phelps Ave.	D	"
	S. W. cor. Lake Ave. and Phelps Ave.	D	"
	On E. side, half way between Phelps Ave. and Emerson st.	D	"
	S. W. cor. Lake Ave. and Lake View Park.	D	"
	On W. side Lake Ave., in front of Lewis Selye's,	D	"

TABLE No. 1—Continued.

NAME OF STREET.	LOCATION.	System,	Capacity and Maker.
Lake Avenue.	N. W. cor. Lake Ave. and Alley at Wm. Purcell's	D	2n. M.
Lancaster St.	On E. side, half way between E. Main and Temple sts.....	D	"
Lawrence St.	N. W. cor. Lawrence st. and East Ave.....	D	"
Leopold Street.	On W. side, half way between Atwater and Harrison sts.	D	"
Linden Street.	S. W. cor. Linden st. and South Ave.....	D	"
Lorimer St.	N. W. cor. Lorimer st. and Lake Ave....	D	"
Lyell Street.	S. E. cor. Lyell st. and Brown's Alley.....	D	"
From Lake Ave. to Erie Canal.	S. W. " " Jones st.....	D	"
	S. E. " " Oak st.....	D	3n. M.
	S. W. " " Saxton st.....	D	"
Madison St.	On W. side Madison st., 143 ft. S. of Madison Sq.	D	2n. M.
	" " " 200 ft. S. of E. Maple st.	D	"
Magne Street.	On S. side Magne st., 180 ft. E. of Walnut st....	D	"
E. Main St.	N. W. cor. E. Main st. and Liberty Alley.....	H	"
From Front to Prince Sts.	N. W. " " N. Clinton st.....	H	"
	On N. side " " opposite Lancaster st	H	"
	N. W. cor. " " and North st.....	H	"
	N. E. " " Franklin st.....	H	"
	N. E. " " Stillson st.....	H	"
	N. W. " " Gibbs st.....	H	"
	N. W. " " University Ave.	D	"
W. Main St.	N. W. cor. W. Main and Front sts.....	H	"
From Front St. to Erie Canal.	N. E. " " State sts.....	H	3n. M.
	N. E. " " N. Fitzhugh sts.	H	"
	S. E. " " School Alley.....	H	2n. M.
	N. E. " " Sophia sts.....	H	"
	S. W. " " Scott Alley.....	H	"
	N. E. " " N. Washington sts.....	H	"
	On S. side W. Main st. at Sill's Foundry	H	"
	N. E. cor. " and Elizabeth sts.....	H	"
Manhattan St.	S. W. cor. Manhattan and Court sts.....	D	"
	N. W. " " Monroe Ave.....	D	"
Marietta St.	On N. side, half way between N. St. Paul and N. Clinton sts.....	D	"
	N. W. cor. Marietta and N. Clinton sts.....	D	"
Market Street.	N. E. cor. Market and State sts.....	H	"
From State to Front Sts.	N. W. " " Mill sts.....	H	"
	N. W. " " Front sts.....	H	"
McCracken St.	S. W. cor. McCracken st. and Lake Ave.....	D	"
From Lake Ave. to Driving Park.	On S. side " " 270 ft. W. of Thorn street.....	D	"
	S. W. cor. McCracken and First sts.....	D	"
	S. W. " " Third sts.....	D	"
	On S. side, next to fence, and to E. of entrance to Park.....	D	"
	On N. side, inside of Park fence, opposite Hotel.	D	"
Meigs Street.	N. W. cor. Meigs st. and Monroe Ave.....	D	"

TABLE No. 1—Continued.

NAME OF STREET.	LOCATION.	System.	Capacity and Maker.
Mill Street.	On E. side, half way bet'n Market and Mumford sts.	H	2n. M.
From Exchange	S. W. cor. Mill st. and Rail Road Ave	H	"
Place to Factory St.	S. E. " " Centre st.	H	2n. L.
	N. W. " " " "	H	2n. M.
	On E. side, half way between Centre and Fur-		
	nace sts.	H	"
	S. E. cor. Mill and Furnace sts.	H	2n. L.
	N. W. " " " "	H	"
	S. W. " " Platt sts.	H	"
	N. E. " " " "	H	"
	On W. side, half way between Platt and Factory sts.	H	2n. M.
	S. E. cor. Mill and Factory sts.	H	2n. L.
Monroe Ave.	N. W. cor. Monroe Ave and Lancaster st.	D	2n. M.
From S. Clinton to	S. W. " " William st.	D	"
Goodman streets.	N. W. " " Marshall st.	D	"
	S. E. " " Union st.	D	"
	On S. side, half way between Union and Alexan-		
	der sts.	D	"
	On S. side, half way between Alexander and		
	Averill sts.	D	"
	S. E. cor. Monroe Ave. and Averill st.	D	"
	S. W. " " Maple Place.	D	"
	N. W. " " Rowley st.	D	"
	S. E. " " Edmonds st.	D	"
	S. W. " " Goodman st.	D	"
Mortimer St.	On N. side, half way between N. St. Paul and N.		
	Clinton sts.	D	"
Mt. Hope Ave.	N. E. cor. Mt. Hope Ave. and South Ave.	D	"
From Erie Canal to	On E. side, half way between South Avenue and		
Hickory street.	Comfort st.	D	"
	S. E. cor. Mt. Hope Ave. and Comfort st.	D	"
	N. E. " " Alexander st.	D	"
	N. E. " " Hamilton Place.	D	"
	N. E. " " Munger st.	D	"
Mumford St.	N. E. cor. Mumford and State sts.	H	"
	S. W. " " Mill sts.	H	"
Munger Street.	S. E. cor. Munger st. and South Ave.	D	"
North Ave.	S. W. cor. North Ave. and Wesley st.	D	"
From North to	S. W. " " Milo st.	D	"
Channing streets.	S. W. " " Channing st.	D	"
North Street.	S. E. cor. North and Achilles sts.	H	"
From E. Main St. to	S. E. " " Grove sts.	H	"
Concord Ave.	N. E. " " Delevan sts.	D	"
	N. E. " " Weld sts.	D	"
	N. E. " " Tyler sts.	D	3n. M.
	N. E. " " Concord Ave.	D	2n. M.
Oak Street.	On W. side, half way between Allen and Platt sts.	H	"
From Allen to	N. W. cor. Oak and Platt sts.	H	"
Lyll streets.	N. E. " " Erie sts.	H	2n. L.

TABLE No. 1—Continued.

NAME OF STREET.	LOCATION.	System.	Capacity and Maker.
ak Street.	On W. side, half way between Brown and Jay sts.	H	2n. M.
Continued.	N. E. cor. Oak and Jay sts.	H	"
	On W. side, half way between Jay and Smith sts.	D	"
	N. W. cor. Oak and Smith sts.	D	"
	On W. side, one-third way between Smith and Luell sts.	D	"
Ontario street.	N. E. cor. Ontario and North sts.	D	"
From North to Scio streets.	N. W. " " Finney sts.	D	"
	On N. side, half way between Finney and Scio streets.	D	"
	N. W. cor. Ontario and Scio sts.	D	"
Orange Street.	S. W. cor. Orange and Grape sts.	D	"
Oregon Street.	On E. side Oregon st., 300 feet S. of Harrison st.	D	"
Park Ave.	On N. side, half way between Alexander and Meigs sts.	D	"
	N. W. cor. Park Ave. and Arnold Park	D	"
Pearl Street.	On W. side Pearl st, opposite Union st.	D	"
	On W. side, half way between Union and Alex- ander sts.	D	"
Perkins Street.	N. W. cor. Perkins st. and Lake Ave.	D	"
Phelps Ave.	N. W. cor. Phelps Ave. and Varnum st.	D	"
	N. E. " " Backus Ave.	D	"
Pindell Alley.	On W. side, one-third way between W. Main and Allen sts.	H	2n. L.
	On W. side, two-thirds way between W. Main and Allen sts.	H	"
Pinnacle Ave.	N. W. cor. Pinnacle Ave. and Alexander st.	D	2n. M.
Platt Street.	N. W. cor. Platt st. and Brown's Race.	H	"
From Brown's Race to Warehouse St.	S. W. " " " "	H	"
	N. W. " " " State st.	H	"
	S. E. " " " Frank st.	H	2n. L.
	S. W. " " " Jones st.	H	"
	S. E. " " " Kent st.	H	"
	S. W. " " " Warehouse st.	H	"
Pleasant St.	On S. side, half way between N. St. Paul and N. Clinton sts.	D	2n. M.
Plymouth Av.	On W. side Plymouth Ave., 100 ft. S. of W. Main st.	H	2n. L.
From W. Main to Clarissa streets.	S. W. cor. Plymouth Ave. and Troup st.	D	3n. M.
	N. W. " " " Atkinson st.	D	"
	N. W. " " " Tremont st.	D	2n. M.
	S. W. " " " Glasgow st.	D	"
	On W. side, one-third way between Glasgow and Clarissa sts.	D	"
	On W. side, two-thirds way between Glasgow and Clarissa sts.	D	"
Prince Street.	N. W. cor. Prince st. and East Ave.	D	"
From East Ave. to E. Main st.	On W. side, one-third way between East Ave. and University Ave.	D	"

TABLE No. 1—Continued.

NAME OF STREET.	LOCATION.	System.	Capacity and Maker.
State Street.	N. W. cor. State and Jay sts.	H	2n. M.
Continued.	On E. side, half way bet. Jay st. and Vincent Place.	H	"
	S. E. cor. State St. and Vincent Place.	H	"
N. St. Paul St.	N. W. cor. N. St. Paul and E. Main sts.	H	3n. M.
From E. Main St. to Hart Ave.	On W. side N. St. Paul st., opposite Division st.	H	2n. M.
	S. W. cor. N. St. Paul and Mortimer sts.	H	"
	On W. side N. St. Paul st., opposite Pleasant st.	D	"
	On W. side N. St. Paul st., half way between Andrews and Franklin sts.	D	"
	S. E. cor. N. St. Paul and Marietta sts.	D	"
	N. E. " " " Ward sts.	D	"
	S. E. " " " Hand sts.	D	"
	On E. side N. St. Paul st., half way between Gorham and Lowell sts.	D	"
	S. E. cor. N. St. Paul and Lowell sts.	D	"
	On E. side, one-third way between Lowell st. and Hart Ave.	D	"
	On E. side, two-thirds way between Lowell st. and Hart Ave.	D	"
	N. E. cor. N. St. Paul st. and Hart Ave.	D	"
S. St. Paul St.	S. E. cor. S. St. Paul and E. Main sts.	H	3n. M.
From E. Main St. to Erie Canal.	On W. side, half way between Ely and Court sts.	D	2n. M.
	On W. " " " Court and Jackson streets.	D	"
	On W. side, half way between Marshall and Griffith sts.	D	"
Stillson Street.	On E. side, half way between Grove st. and Uni- versity Ave.	D	"
Stone Street.	S. E. cor. Stone and E. Main sts.	H	"
	S. E. " " Johnson Park.	H	"
Swan Street.	N. E. cor. Swan st. and East Ave.	D	"
Tappan Street.	N. E. cor. Tappan and North sts.	D	"
	On N. side Tappan st., half way between North and Scio sts.	D	"
Tremont St.	S. E. cor. Tremont st. and Caledonia Ave.	D	"
From Plymouth Av. to Frances St.	On S. side Tremont st., half way between Ply- mouth and Caledonia Aves.	D	3n. M.
	S. E. cor. Tremont and Frances sts.	D	2n. M.
Troup St.	S. W. cor. Troup and S. Fitzhugh sts.	D	"
From Exchange to Frances Sts.	S. W. " " S. Washington sts.	D	"
	S. E. " " Eagle sts.	D	"
	S. E. " " Caledonia Ave.	D	"
	S. E. " " Ford sts.	D	"
	N. E. " " Frances sts.	D	"
Union Street.	S. W. cor. Union and E. Main sts.	D	"
From E. Main to Pearl Sts.	S. E. " " University Ave.	D	"
	On W. side, half way between Asylum and Char- lotte sts.	D	"
	S. W. cor. Union and Vine sts.	D	"

TABLE No. 1—Continued.

NAME OF STREET.	LOCATION.	System.	Capacity and Maker.
University Av.	N. E. cor. University Ave. and North st.	D	2n. M.
From North to Prince Sts.	N. W. " " Scio st. On N. side University Ave., 190 ft. W. of Alex- ander st.	D	"
Vincent Place.	S. W. cor. Vincent Place and Bartholomay's Park.	D	"
Vine Street.	S. E. cor. Vine and East sts.	D	3n. M.
Ward Street.	N. W. cor. Ward and Emmett sts. N. W. " " Clinton sts.	D	2n. M.
N. Washington Street.	On W. side, half way between W. Main and Allen sts.	D	"
S. Washington Street.	On W. side S. Washington st, near Erie Canal S. W. cor., S. Washington and Spring sts.	H	2n. L.
N. Water St.	On E. side N. Water st., 129 ft. N. of E. Main st.	D	2n. M.
From E. Main to Atwater Streets.	S. E. cor. N. Water and Mortimer sts. On E. side, one-third way between Mortimer and Andrews sts.	H	"
	On E. side two-thirds way between Mortimer and Andrews sts.	H	"
	S. E. cor. N. Water and Andrews sts.	H	"
	On E. side, one-third way between Andrews and River sts.	H	"
	On E. side, two-thirds way between Andrews and River sts.	H	"
	S. E. cor. N. Water and River sts.	H	"
	S. W. " " " Atwater sts.	H	"
	S. E. " " " "	H	"
S. Water St.	S. E. cor. S. Water and E. Main sts.	H	"
Webster St.	On S. side Webster st., 180 ft. E. of Hudson st. S. W. cor. Webster and North sts.	D	3n. M.
Weld St.	N. W. cor. Weld and N. Stillson sts.	D	2n. M.
From North to Scio Streets.	On N. side, half way between N. Stillson and Scio sts.	D	"
West Ave.	N. W. cor. Weld and Scio sts.	D	"
From Erie Canal to Genesee Street.	N. W. cor. West Ave and Trowbridge st. N. E. " " " Canal st. N. E. " " " Litchfield st. N. W. " " " Madison st. N. W. " " " Frances st. N. E. " " " Wentworth st.	D	"
	On N. side, one-third way between Wentworth and Genesee sts.	D	3n. M.
	On N. side, two-thirds way between Wentworth and Genesee sts.	D	2n. M.
Wilder Street.	N. W. cor. Wilder and Grape sts.	D	"
William St.	N. E. cor. William and George sts. On E. side, half way between George st. and Monroe Ave.	D	"

SUMMARY OF HYDRANTS.

SYSTEM.	NUMBER AND KIND OF HYDRANTS SET.					TOTALS.
	2n. M.	3n. M.	2n. + S. M.	2n. L.	1n. N.	
Domestic.....	311	23	0	2	1	337
Holly.....	96	10	4	31	0	141
	407	33	4	33	1	478

Abbreviations.

"D" stands for Domestic System.

"H" stands for Holly System.

2n. M. stands for Two nozzle Mathews Hydrant.

3n. M. stands for Three nozzle Mathews Hydrant.

2n. + S. M. stands for Two nozzle and Steamer Suction Mathews Hydrant.

2n. L. stands for Two nozzle Ludlow Hydrant.

1n. N. stands for One nozzle Niagara Mfg. Co. Hydrant.

TABLE NO. 2.

SHOWING NUMBER, SIZE AND LOCATION OF STOP GATES INSERTED IN THE PIPE MAINS OF THE CITY DISTRIBUTION.

NOTE.—The measurements in the first column of "Co-ordinates" are taken at a right angle to the respective lines of the streets in which the Mains containing the Gates are located; those in the second column are taken in a direction at a right angle to the former, or parallel respectively to the lines of the aforesaid streets, except in cases particularly specified.

All these measurements are taken in feet and tenths of a foot.

The letter in the parentheses following a Co-ordinate, denotes the direction of sight in taking the measurement; the other letters in these columns of "Co-ordinates" refer to the points of the compass, and the line (L) of street, and the face (F) of some building. "Domestic," "Holly," "Supply Pipe," "Flanged Connection," and "Blow-off," the covers of the corresponding gate boxes being thus marked. "Br." denotes "Bruch,"

A Gate repeated under the head of a street other than the one containing the Main in which it is inserted, is marked with an asterisk. (*)
The following Table, moreover, does not include any gate inserted in a service pipe of any magnitude whatever.

NAME OF STREET. (Not extended.)	LOCATION OF GATE.	MAIN WHEREIN.	Diameter of Pipe (in.)		CO-ORDINATES.	
			Feet	Inches		
Achilles Street. (Not extended.) Adams Street	N. E. cor. North st.	Achilles st.	D	4	12.4 S. of N. L. Achilles st.	5.7 W. of E. L. North st.
	S. W. cor. Exchange st.	*Exchange st.	D	6	32.0 E. of W. L. Exchange st. (S)	7.7 N. of S. L. Adams st.
	N. W. cor. Exchange st.	Adams st.	D	8	35.5 S. of N. L. Adams st.	8.3 E. of W. L. Exchange st. (S)
	N. E. cor. Fitzhugh st.	*Fitzhugh st.	D	4	18.3 W. of E. L. Fitzhugh st. (N)	4.0 S. of S. E. Building. N. E. cor. Adams st. and Plymouth ave.
	N. E. cor. Plymouth ave.	Adams st.	D	8	21.5 S. of N. L. Adams st. (E)	7.3 W. of E. L. Plymouth ave.
	N. W. cor. Plymouth ave.	Adams st.	D	6	37.4 S. of N. L. Adams st.	2.8 E. of W. L. Plymouth ave. (S)
	N. E. cor. Caladonia ave.	Adams st.	D	6	37.7 S. of N. L. Adams st. (E)	6.0 W. of E. L. Caladonia ave. (S)
	N. W. cor. Caladonia ave.	Adams st.	D	6	33.3 S. of N. L. Adams st. (W)	3.5 E. of W. L. Caladonia ave. (S)
	N. E. cor. Frances st.	Adams st.	D	8	21.2 S. of N. L. Adams st.	4.0 W. of E. L. Frances st.
	Opp. N. E. cor. Frances st.	*Frances st.	D	16	18.9 E. of W. L. Frances st.	4.8 S. of N. L. Adams st.
Alexander Street. From Mt. Hope Av. to University Ave.	N. E. cor. Mt. Hope ave.	*Mt. Hope ave.	D	6	23.2 W. of E. L. Mount Hope ave.	9.0 N. of N. L. Alexander st.
	S. E. cor. Mt. Hope ave.	*Jefferson Park.	D	6	12.9 W. of E. L. Alexander st.	7.9 W. of E. L. Mount Hope ave.
	S. E. cor. Jefferson Park.	Alexander st.	D	4	19.8 N. of S. L. Alexander st.	3.6 W. of S. L. Alexander st.
	S. W. cor. South ave.	*South ave.	D	16	25.0 E. of W. L. South ave.	6.7 E. of W. L. South ave.
	N. W. cor. South ave.	Alexander st.	D	12	19.7 N. of S. L. Alexander st.	3.6 S. of N. L. Alexander st.
	S. E. cor. South ave.	*Van st.	D	12	19.7 N. of S. L. Alexander st.	6.7 W. of E. L. South ave.
	N. W. cor. Pinnacle ave.	*Pinnacle ave.	D	4	20.1 W. of E. L. Van st.	3.4 N. of S. L. Alexander st.
	S. W. cor. Pinnacle ave.	*Pinnacle ave.	D	6	21.4 E. of W. L. Pinnacle ave.	4.5 S. of N. L. Alexander st. (W)
	S. E. cor. Pinnacle ave.	Alexander st.	D	12	20.5 N. of S. L. Pinnacle ave.	5.8 N. of S. L. Alexander st. (W)
	S. W. cor. Pinnacle ave.	Alexander st.	D	12	20.5 N. of S. L. Pinnacle ave.	2.2 W. of E. L. Pinnacle ave. (N)
	S. W. cor. Broadway.	*Broadway.	D	12	24.0 N. of S. L. Alexander st.	3.5 E. of W. L. Broadway.
	N. E. cor. Broadway.	*Broadway.	D	6	23.8 W. of E. L. Broadway.	5.4 S. of N. L. Alexander st.

TABLE No 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.
Alexander Street. (Continued.)	S. E. cor. Broadway	*Broadway.	D	6	24.0 W. of E. L. Broadway
	N. W. cor. Pearl st.	*Pearl st.	D	4	23.8 E. of W. L. Pearl st.
	S. W. cor. Pearl st.	*Pearl st.	D	4	21.7 E. of W. L. Pearl st.
	N. E. cor. Cobb st.	*Cobb st.	D	4	19.9 W. of E. L. Cobb st.
	S. W. cor. Monroe ave.	Alexander st.	D	12	20.7 E. of W. L. Alexander st.
	S. E. cor. Monroe ave.	*Monroe ave.	D	12	21.5 N. of S. L. Monroe ave.
	S. E. cor. Monroe ave.	*Monroe ave.	D	12	21.2 N. of S. L. Monroe ave.
	N. E. cor. Monroe ave.	Alexander st.	D	6	20.6 W. of E. L. Alexander st.
	N. W. cor. Monroe ave.	Alexander st.	D	6	24.0 W. of E. L. Alexander st.
	S. E. cor. Park ave.	*Park ave.	D	6	3.2 W. of S. L. Park ave.
	S. E. cor. East ave.	Alexander st.	D	6	17.4 N. of S. L. Alexander st.
	S. W. cor. East ave.	Alexander st.	D	6	2.9 W. of W. L. Alexander st.
	S. E. cor. East ave.	*East ave.	D	8	4.5 E. of W. L. East ave.
	S. E. cor. East ave.	*East ave.	D	6	21.3 N. of S. L. East ave.
	N. W. cor. East ave.	Alexander st.	D	8	18.2 E. of W. L. Alexander st.
	N. W. cor. Charlotte st.	*Charlotte st.	D	8	18.3 S. of N. L. Charlotte st.
	N. W. cor. University ave.	*University ave.	D	4	24.8 S. of N. L. University ave.
Allen Street..... From State St. to Broad St.	Opp. S. W. State st.	*State st.	D	16	26.8 W. of E. L. State st.
	N. W. cor. State st.	Allen st.	H	10	25.3 S. of N. L. Allen st.
	N. W. cor. State st.	Allen st.	H	8	25.6 S. of N. L. Allen st.
	S. E. cor. Pindell Alley.	*Pindell Alley	H	4	8.2 Directly before Hydrant
	N. E. cor. Sophia st.	Allen st.	H	4	9.9 E. of W. L. Pindell Alley
	N. W. cor. Sophia st.	Allen st.	D	8	23.9 S. of N. L. Allen st. (E)
	Opp. S. W. cor. Washington st.	Allen st.	D	8	21.3 E. of E. L. Center Square
	N. E. cor. Kent st.	*Kent st.	D	8	23.9 S. of N. L. Allen st.
	N. W. cor. Kent st.	*Kent st.	D	4	26.1 W. of E. L. Kent st.
	N. W. cor. Oak st.	*Oak st.	D	6	21.5 E. of W. L. Oak st.
	N. W. cor. Oak st.	*Oak st.	H	8	23.0 E. of W. L. Oak st.
	N. W. cor. Oak st.	Allen st.	H	8	21.7 S. of N. L. Allen st.
	S. W. cor. Ford st.	*Ford st.	D	4	19.8 E. of W. L. Ford st.
Ambrose Street... (Not Extended.)	N. W. cor. Warehouse st.	*Warehouse st.	H	10	21.7 E. of W. L. Ford st.
	N. W. cor. Broad st.	*Broad st.	D	6	27.2 W. of E. L. Warehouse st.
	N. E. cor. Lake ave.	Ambrose st.	D	2	22.5 S. of N. L. Broad st. (S)
	N. E. cor. Lake ave.	*Lake ave.	D	8	22.5 S. of N. L. Ambrose st.
					6.5 W. of E. L. Lake ave.

TABLE No. 2.—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	WIDTH IN FEET.	CO-ORDINATES.
Ambrose Street. (Continued.)	S. E. cor. Lake ave. (Centre of Lake ave.) S. W. cor. Lake ave. Intersection Jones ave. N. E. cor. Saratoga ave.	*Lake ave. Ambrose st., Cross br. *Lake ave. Ambrose st. Ambrose st.	D 8 D 12 D 21 D 8 D 6	4.7 N. of S. L. Ambrose st. (W) 49.0 W. of E. L. Lake ave. (N) 5.1 N. of S. L. Ambrose st. 7.6 E. of W. L. Lake ave. (S) 4.7 W. of E. L. Saratoga ave.
Amity Street. (Not Extended.)	S. W. cor. North st.	Amity st.	D 4	9.3 N. of S. L. Amity st. 4.6 E. of W. L. North st. (N)
Andrews Street.	Opp. S. W. cor. North st. Opp. S. W. cor. North st. S. W. cor. North st. S. E. cor. S. Chatham st. S. E. cor. Clinton st. S. E. cor. Clinton st. S. E. cor. Clinton st. S. W. cor. Clinton st. S. W. cor. St. Paul st. N. E. cor. Water st.	*North st. *North st. Andrews st. Andrews st. *W. Chatham st. Andrews st. Andrews st. *Clinton st. Andrews st. Andrews st. *St. Paul st. *Water st.	D 12 D 6 D 6 D 4 D 6 D 12 D 6 D 6 D 6 D 6 D 8	24.5 W. of E. L. North st. 25.8 W. of E. L. North st. 21.1 N. of S. L. Andrews st. 23.0 N. of S. L. Andrews st. 21.0 W. of E. L. Chatham st. 11.3 E. of W. L. Chatham st. 23.2 N. of S. L. Andrews st. 30.8 N. of S. L. Andrews st. 30.4 W. of E. L. Clinton st. (N) 23.7 W. of E. L. Clinton st. (S) 20.6 N. of S. L. Andrews st. 25.8 E. of W. L. Andrews st. 25.8 W. of E. L. St. Paul st. (S) 30.9 W. of E. L. Water st. (N) 23.2 W. of E. L. Water st. (N)
Aqueduct Street.	S. W. cor. Main st. S. W. cor. Main st.	Aqueduct st. Aqueduct st.	D 4 D 6	16.4 E. of W. L. Aqueduct st. 17.1 E. of W. L. Aqueduct st.
Arnold Park.	Nearly opposite No. 9. N. E. cor. Park ave.	Arnold Park Arnold Park.	D 4 D 4	14.5 N. of N. L. House No. 9. 2.5 W. of Lamp post, N. E. cor.
Ashland Street.	S. E. cor. Hickory st. N. E. cor. Gregory st. N. E. cor. Gregory st.	*Hickory st. Ashland st. *Gregory st.	D 6 D 4 D 6	21.5 N. of S. L. Hickory st. 12.7 W. of E. L. Ashland st. 22.1 S. of N. L. Gregory st.
Asylum Street. (Not Extended.)	S. E. cor. Main st.	Asylum st.	D 4	13.5 W. of E. L. Asylum st. 17.3 N. of S. L. Main st. (W)

*Turns to left to open.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	(CO-ORDINATES.	
Atkinson Street From Plymouth Ave. to Ford St.	S. W. cor. Plymouth ave. S. W. cor. Plymouth ave. Opp. N. E. cor. Greenwood av. S. E. cor. Caledonia ave. N. E. cor. Caledonia ave. S. W. cor. Caledonia ave.	*Plymouth ave. Atkinson st. Atkinson st. Atkinson st. Atkinson st. Atkinson st.	D D D D D D	12 6 6 6 16 4	21.7 E. of W. L. Plymouth ave. (S). 15.2 N. of S. L. Atkinson st. 19.0 N. of S. L. Atkinson st. 15.3 N. of S. L. Atkinson st. 19.8 W. of E. L. Caledonia ave. 18.1 N. of S. L. Atkinson st.	3.4 N. of S. L. Atkinson st. 7.4 E. of W. L. Plymouth ave. (S) 0.5 E. of E. L. Greenwood ave. 3.0 W. of E. L. Caledonia ave. 3.6 S. of N. L. Atkinson st. (W). 4.0 E. of W. L. Caledonia ave.
Atwater Street.	Opp. N. W. cor. North st. N. W. cor. North st. N. E. cor. Oregon st. S. W. cor. Rome st. N. W. cor. Leopold st. S. W. cor. N. Chatham st. S. W. cor. N. Chatham st. N. W. cor. N. Chatham st. S. E. cor. St. Joseph st. N. E. cor. St. Joseph st. N. E. cor. Joiner st. S. E. cor. Clinton st. S. E. cor. Clinton st. N. W. cor. Clinton st. N. E. cor. Clinton st. S. W. cor. St. Paul st. S. E. cor. St. Paul st. S. E. cor. Water st. S. E. cor. Water st.	*North st. Atwater st. *Oregon st. *Rome st. *Leopold st. *N. Chatham st. N. Chatham st. Atwater st. *St. Joseph st. *St. Joseph st. *Joiner st. *Clinton st. *Clinton st. Atwater st. Atwater st. *St. Paul st. *St. Paul st. Atwater st. *Water st.	D D D D D D D D D D D D D D D D D D D D	12 6 6 4 4 4 4 6 6 6 6 12 10 8 6 6 6 8	25.1 W. of E. L. North st. 22.6 S. of N. L. Oregon st. 21.9 W. of E. L. Oregon st. 22.8 S. of N. L. Rome st. 21.6 E. of W. L. Leopold st. 24.4 E. of W. L. Chatham st. 21.5 E. of W. L. Chatham st. 20.9 S. of N. L. Atwater st. (W). 22.6 W. of E. L. St. Joseph st. 23.5 W. of E. L. St. Joseph st. 22.5 W. of W. F. Building, N. E. cor. 22.5 S. of N. L. Atwater st. (E). 21.1 W. of E. L. Clinton st. (N). 23.0 W. of E. L. Clinton st. (W). 13.5 S. of N. L. Atwater st. (W). 23.2 S. of N. L. Atwater st. (W). 21.9 S. of N. L. Atwater st. (E). 21.6 E. of W. L. St. Paul st. (S). 13.0 N. of S. L. Atwater st. (E). 13.7 N. of S. L. Atwater st. (E).	3.0 N. of S. L. Tappan st. 7.7 E. of W. L. North st. 4.3 S. of N. L. Atwater st. 4.5 N. of S. L. Atwater st. 3.1 S. of N. L. Atwater st. 4.3 S. of N. L. Atwater st. 5.3 N. of S. L. Atwater st. 5.3 E. of W. L. Chatham st. (S). 5.6 W. of S. L. Atwater st. 5.3 S. of N. L. Atwater st. 5.3 S. of N. L. Atwater st. (W). 3.3 W. of E. L. Clinton st. (S). 0.8 W. of S. L. Atwater st. (E). 2.8 W. of S. L. Atwater st. (E). 1.3 E. of W. L. Clinton st. (W). 2.7 W. of E. L. St. Paul st. (S). 5.6 W. of S. L. Atwater st. (S). 10.0 W. of E. L. Water st. (S). 9.8 W. of E. L. Water st. (S).
Averill Street.	S. W. cor. Monroe ave.	Averill st.	D	4	19.5 E. of W. L. Averill st.	6.0 N. of S. L. Monroe ave.
Backus Avenue. (Not Extended.)	N. E. cor. Phelps ave.	*Phelps ave.	D	4	40.5 S. of N. L. Phelps ave.	4.8 W. of E. L. Backus ave.
Bay Street (Not Extended.)	Opp. N. E. cor. North ave. S. E. cor. North ave.	*North ave. Bay st.	D D	8 6	22.6 E. of W. L. North ave. 17.3 N. of S. L. Bay st.	30.4 N. of N. L. Bay st. 4.8 W. of E. L. North ave.
Bolivar Street.	Opp. N. E. cor. Jay st. S. W. cor. Smith st.	*Jay st. Bolivar st.	D D	6 6	22.5 E. of S. L. Jay st. 33.1 E. of W. L. Bolivar st.	4.6 W. of E. L. Bolivar st. 5.2 N. of S. L. Smith st.

TABLE No. 2—(CONTINUED).

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	Size. (in.)	COORDINATES.
Bolivar Street (Continued.)	N. W. cor. Smith st.	Bolivar st.	6	32.2 E. of W. L. Bolivar st.
	S. W. cor. Lyell st.	Bolivar st.	6	21.8 E. of W. L. Bolivar st.
Brisbane Street (Not Extended)	S. W. cor. Lake ave.	Brisbane st.	4	24.4 N. of S. L. Brisbane st.
Broad Street (From Allen St. to Warehouse St.)	N. W. cor. Allen st.	Broad st.	6	21.6 E. of W. L. Broad st. (S)
Broadway (From Howell St. to Alexander St.)	S. E. cor. Howell st.	Broadway	6	17.3 W. of E. L. Broadway.
	S. W. cor. Marshall st.	*Marshall st.	6	23.6 N. of S. L. Marshall st. (W)
	S. E. cor. Griffith st.	*Griffith st.	4	18.6 N. of S. L. Griffith st.
	S. E. cor. Griffith st.	Broadway	6	23.7 W. of E. L. Broadway
	N. E. cor. Alexander st.	Broadway	6	23.8 W. of E. L. Broadway
	S. W. cor. Alexander st.	*Alexander st.	12	24.0 N. of S. L. Alexander st.
	S. E. cor. Alexander st.	Broadway	6	24.0 W. of E. L. Broadway
Brown Street	S. E. cor. State st.	*State st.	16	29.9 W. of E. L. State st.
	N. W. cor. State st.	Brown st.	4	39.5 W. of S. L. Brown st.
	N. W. cor. Frank st.	*Frank st.	6	23.8 E. of W. L. Frank st. (S)
	N. W. cor. Frank st.	Brown st.	4	20.5 S. of N. L. Brown st.
	N. E. cor. Jones st.	*Jones st.	4	20.8 W. of E. L. Jones st.
	N. E. cor. Kent st.	Brown st.	4	21.6 S. of N. L. Brown st.
	N. E. cor. Oak st.	Brown st.	4	21.6 S. of N. L. Brown st.
	S. W. cor. Oak st.	*Oak st.	6	21.5 E. of W. L. Oak st.
	N. E. cor. Wilder st.	Brown st.	6	4.1 S. of N. L. Brown st.
	S. E. cor. Frances & E. Maple.	*E. Maple st.	6	19.5 N. of S. L. E. Maple st.
	S. W. cor. Frances st.	*Frances st.	16	26.3 E. of W. L. Frances st.
	S. W. cor. Frances st.	Brown st.	6	20.0 N. of S. L. Brown st.
	N. E. cor. West ave.	Brown st.	4	12.5 W. of E. L. Brown st.
	N. E. cor. West ave.	*West ave.	12	22.5 S. of N. L. West ave.
	N. W. cor. West ave.	*West ave.	12	24.0 S. of N. L. West ave. (E)
Caledonia Avenue	N. E. cor. Spring st.	Caledonia ave.	6	25.0 W. of E. L. Caledonia ave. (N)
	N. E. cor. Spring st.	*Spring st.	16	17.1 S. of N. L. Spring st.
	N. W. cor. Spring st.	*Spring st.	4	14.2 S. of N. L. Spring st.
	S. E. cor. Troup st.	*Troup st.	6	21.7 N. of S. L. Troup st.
	S. W. cor. Troup st.	*Troup st.	6	21.5 N. of S. L. Troup st.
	N. E. cor. Atkinson st.	Hyd. Br. in Caled'g'ay.	4	4.0 Directly before Hydrant.
				5.8 S. of N. L. Smith st.
				11.7 N. of S. L. Lyell st.
				1.9 W. of W. L. Lake ave. (S)
				4.0 S. of N. L. Allen st.
				6.2 N. of S. L. Howell st.
				6.0 E. of W. L. Broadway.
				3.6 E. of W. L. Broadway. (S)
				5.1 N. of S. L. Griffith st.
				5.4 S. of N. L. Alexander st.
				3.5 E. of W. L. Broadway.
				4.8 N. of S. L. Alexander st.
				5.4 N. of S. L. Brown st.
				13.6 E. of W. L. State st. (S)
				5.4 S. of N. L. Brown st. (W)
				3.5 E. of W. L. Frank st. (S)
				4.5 S. of N. L. Brown st. (E)
				5.7 W. of E. L. Kent st. (N)
				7.0 W. of E. L. Oak st.
				4.8 N. of S. L. Brown st.
				18.8 W. of E. L. Wilder st.
				13.7 W. of W. F. Build'g. S. E. cor.
				9.0 N. of S. L. Brown st.
				0.7 E. of W. L. Frances st.
				11.0 S. of N. L. West ave.
				72.3 E. of E. L. Genesee st.
				1.5 W. of W. L. Genesee st.
				4.5 S. of N. L. Spring st.
				5.4 W. of E. L. Caledonia ave. (N)
				5.5 E. of W. L. Caledonia ave. (S)
				4.7 W. of E. L. Caledonia ave. (S)
				0.5 W. of W. L. Caledonia ave. (S)

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAINS WHEREIN.	System.	Size.	CO-ORDINATES.
			(in.)		
Charlotte Street.	N. E. cor. Scio st.	Charlotte st.	D	4	19.9 S. of N. L. Charlotte st.
	S. E. cor. Matthews st.	*Matthews st.	D	4	13.9 W. of E. L. Matthews st.
	N. W. cor. Union st.	Charlotte st.	D	4	18.5 S. of W. L. Union st.
	N. W. cor. Clinton st.	*Clinton st.	D	6	20.0 E. of W. L. Union st.
	S. E. cor. Lawrence st.	*Lawrence st.	D	4	15.0 W. of E. L. Lawrence st.
	N. W. cor. Alexander st.	Charlotte st.	D	4	18.3 S. of N. L. Charlotte st.
S. Chatham Street.	S. E. cor. Andrews st.	Chatham st.	D	4	24.0 W. of E. L. Chatham st.
W. Chatham St.	N. W. cor. Andrews st.	Chatham st.	D	4	11.3 E. of W. L. Chatham st.
E. Chatham St.	S. E. cor. Clinton Place.	Chatham st.	D	4	11.5 W. of E. L. Chatham st.
N. Chatham st.	N. W. cor. Clinton Place.	*Clinton Place.	D	6	21.8 S. of N. L. Clinton Place.
From Clinton Place	S. W. cor. Atwater st.	Chatham st.	D	4	24.5 E. of W. L. Chatham st.
To Atwater St.	N. W. cor. Atwater st.	Chatham st.	D	6	24.4 E. of W. L. Chatham st.
Cherry Street.	N. E. cor. Main st.	Cherry st.	D	1	15.6 W. of E. L. Cherry st.
(Not Extended.)					10.0 S. of N. L. Main st.
Chestnut Park.	S. E. cor. Chestnut st.	Chestnut Park.	D	4	11.9 N. of S. L. Chestnut Park.
Chestnut Street.	S. W. cor. East ave.	Chestnut st.	D	6	22.0 E. of W. L. Chestnut st.
	S. E. cor. Chestnut Park.	*Chestnut Park.	D	4	11.9 N. of S. L. Chestnut st.
	S. W. cor. Elm st.	Chestnut st.	D	6	21.0 E. of W. L. Chestnut st.
	S. W. cor. Temple st.	*Temple st.	D	4	15.7 N. of S. L. Temple st.
	N. W. cor. Court st.	Chestnut st.	D	6	22.2 E. of W. L. Chestnut st.
	S. W. cor. Court st.	Chestnut st.	D	6	22.4 E. of W. L. Chestnut st.
	N. W. cor. Monroe ave.	Chestnut st.	D	6	24.3 E. of W. L. Chestnut st.
	Opp. N. E. cor. Monroe ave.	*Monroe ave.	D	12	21.5 N. of S. L. Monroe ave.
Charissa Street.	Intersect'n Greig & Exchange sts.	*Exchange st.	D	6	19.2 E. of W. L. Exchange st.
From Plymouth Av.	N. W. cor. Greig st.	*Greig st.	D	4	26.0 E. of W. L. Greig st.
to Exchange St.					16.5 N. of N. L. Charissa st.
Clifton Street.	S. W. cor. Prospect st.	Clifton st.	D	4	19.3 N. of S. L. Clifton st.
From Prospect St.	S. E. cor. Frances st.	Clifton st.	D	6	22.0 N. of S. L. Clifton st.
to Frances St.	S. W. cor. Frances st.	Clifton st.	D	6	23.3 N. of S. L. Fence, S. W. cor.
					4.3 E. of W. L. Frances st.
					2.0 E. of W. L. Prospect st.
					3.0 W. of E. L. Frances st.
					4.3 E. of W. L. Frances st.
					2.4 N. of S. L. Court st.
					3.5 S. of N. L. Court st.
					2.4 N. of S. L. Court st.
					6.8 S. of N. L. Monroe ave.
					39.2 W. of E. L. Chestnut st.
					10.5 N. of N. L. Charissa st.
					16.5 N. of N. L. Charissa st.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.		CO-ORDINATES.	
				sq.	(in.)		
Clinton Place	N. W. cor. North st.	Clinton Place	D	6	32.2 S. of N. L. Clinton Place.	7.5 E. of W. L. North st. (N)	
	S. E. cor. E. Chatham st.	*E. Chatham st.	D	4	11.7 W. of E. L. Chatham st.	5.4 N. of S. L. Clinton Place (W)	
	N. W. cor. N. Chatham st.	Clinton Place	D	6	21.8 S. of N. L. Clinton Place.	5.2 E. of W. L. Chatham st.	
	N. E. cor. Clinton st.	Clinton Place	D	4	22.3 S. of N. L. Clinton Place	7.4 W. of E. L. Clinton st. (S)	
S. Clinton Street.	Intersect'n Mon. av. & Green st.	Clinton st.	D	4	5.5 W. of E. L. Clinton st.	18.4 S. of N. E. Arsenal.	
	S. E. cor. Court st.	Clinton st.	D	12	20.8 S. of N. E. Arsenal.	11.6 W. of E. L. Clinton st.	
	N. E. cor. Court st.	Clinton st.	D	4	1.8 W. of E. L. Clinton st. (S)	7.9 N. of S. L. Court st.	
	N. E. cor. Court st.	Clinton st.	D	10	19.6 S. of N. L. Court st.	3.4 E. of E. L. Clinton st. (N)	
	N. W. cor. Court st.	Clinton st.	D	8	2.2 W. of E. L. Clinton st. (N)	8.2 S. of N. L. Court st.	
	S. W. cor. Johnson Park.	Johnson Park.	D	8	1.5 E. of W. L. Clinton st. (N)	9.6 S. of N. L. Court st.	
	S. W. cor. Main st.	Clinton st.	D	4	12.0 N. of S. L. Johnson Park.	2.1 W. of W. L. Clinton st.	
	S. E. cor. Main st.	Clinton st.	D	8	20.1 W. of W. F. Asbury Church.	13.3 N. of N. E. Asbury Church.	
	S. E. cor. Main st.	Clinton st.	D	8	13.2 W. of W. F. Asbury Church.	13.0 N. of N. E. Asbury Church.	
	N. E. cor. Main st.	*Main st.	H	12	31.5 S. of N. L. Main st.	15.5 N. of N. E. Asbury Church.	
	N. E. cor. Main st.	*Main st.	H	20	28.0 S. of N. L. Main st.	4.2 W. of E. L. Clinton st. (S)	
	N. W. cor. Main st.	*Main st.	D	20	38.3 S. of N. L. Main st.	5.4 W. of E. L. Clinton st. (S)	
N. Clinton Street. From Main St. to Kelly St.	N. E. cor. Main st.	*Main st.	H	12	31.5 S. of N. L. Main st.	7.7 E. of W. L. Clinton st. (N)	
	N. E. cor. Main st.	*Main st.	D	20	28.0 S. of N. L. Main st.	4.2 W. of E. L. Clinton st. (S)	
	N. W. cor. Main st.	*Main st.	D	20	28.0 S. of N. L. Main st.	5.4 W. of E. L. Clinton st. (S)	
	N. E. cor. Main st.	Clinton st.	H	12	25.0 W. of E. L. Clinton st.	7.7 E. of W. L. Clinton st. (N)	
	N. E. cor. Main st.	Clinton st.	H	12	22.2 W. of E. L. Clinton st.	5.8 S. of N. L. Main st.	
	S. W. cor. Division st.	Division st.	H	6	11.3 N. of S. L. Division st.	11.1 S. of N. L. Main st.	
	N. W. cor. Mortimer st.	*Mortimer st.	H	4	15.0 S. of N. L. Mortimer st.	5.8 E. of W. L. Clinton st. (N)	
	S. W. cor. Pleasant st.	Pleasant st.	D	4	11.7 W. of S. L. Pleasant st.	7.7 E. of W. L. Clinton st.	
	S. E. cor. Franklin st.	Clinton st.	F C	10	23.9 W. of E. L. Clinton st.	4.6 E. of W. L. Clinton st.	
	S. E. cor. Franklin st.	*Franklin st.	H	4	4.4 S. of N. L. Franklin st.	17.0 S. of S. F. Barton's House.	
	S. E. cor. Franklin st.	*Franklin st.	H	12	22.7 W. of E. L. Franklin st.	10.8 W. of E. L. Clinton st. (S)	
	S. E. cor. Andrews st.	*Andrews st.	H	6	45.4 S. of N. L. Andrews st. (N)	11.7 W. of E. L. Clinton st. (S)	
	S. E. cor. Andrews st.	*Andrews st.	H	6	23.2 N. of S. L. Andrews st. (E)	4.1 N. of S. L. Andrews st.	
	S. W. cor. Andrews st.	*Andrews st.	H	6	23.2 N. of S. L. Andrews st. (W)	7.3 W. of E. L. Clinton st. (S)	
	S. W. cor. Andrews st.	*Andrews st.	H	6	20.6 N. of S. L. Andrews st. (W)	9.0 W. of E. L. Clinton st. (S)	
	N. E. cor. Andrews st.	Clinton st.	H	6	32.2 S. of N. L. Clinton st. (N)	2.8 E. of W. L. Clinton st. (S)	
	N. E. cor. Andrews st.	*Clinton Place	D	12	30.4 W. of E. L. Clinton st. (N)	6.5 E. of W. L. Clinton st. (S)	
	N. E. cor. Andrews st.	*Clinton Place	D	4	22.3 S. of N. L. Clinton Place.	5.3 S. of N. L. Andrews st. (E)	
	N. E. cor. Andrews st.	*Clinton Place	D	4	22.3 S. of N. L. Clinton Place.	7.1 W. of E. L. Clinton st. (S)	

*First Ordinate is at right angles to Clinton St., and 2nd is parallel to same.

*First ordinate is parallel to Clinton St., and 2nd at right angles to same.

TABLE No. 2—CONTINUED.

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TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.		CO-ORDINATES.	
				(in.)	(sq. ft.)		
Court Street. (Continued.)	S. E. cor. William st.	*William st.	D	4	19.5 W. of E. L. William st.	4.5 N. of S. L. Court st.	
	N. E. cor. William st.	*William st.	D	6	21.2 W. of E. L. William st.	4.6 S. of N. L. Court st.	
	S. W. cor. William st.	Court st.	D	10	20.5 N. of S. L. Court st.	5.2 W. of E. L. William st. (N)	
	S. W. cor. Manhattan st.	*Manhattan st.	D	4	19.3 E. of W. L. Manhattan st.	2.9 N. of S. L. Court st.	
	S. W. cor. Savannah st.	*Savannah st.	D	6	18.0 E. of W. L. Savannah st.	2.3 N. of S. L. Court st.	
	N. W. cor. Union st.	Court st.	D	8	30.9 N. of S. L. Court st.	3.9 E. of W. L. Union st.	
Cypress Street. (Not Extended.)	S. W. cor. South ave.	Cypress st.	D	6	21.7 N. of S. L. Cypress st.	7.6 E. of W. L. South ave.	
	S. W. cor. Frank st.	Dean st.	D	4	21.8 N. of S. L. Dean st.	4.8 E. of W. L. Frank st. (S)	
Delavan Street.	N. E. cor. North st.	Delavan st.	D	4	20.1 S. of N. L. Delavan st.	6.4 W. of E. L. North st. (N)	
	N. W. cor. Scio st.	Delavan st.	D	4	20.6 S. of N. L. Delavan st.	6.0 E. of W. L. Scio st.	
Division Street. <i>Half way</i>	S. W. cor. Clinton st.	Division st.	H	6	11.3 N. of S. L. Division st.	5.8 E. of W. L. Union st. (N)	
	Between Clinton & St. Paul sts.	Division st.	H	6	22.1 S. of N. L. Division st.	2.7 E. of Hydrant Branch.	
Draper Street. (Not Extended.)	S. W. North ave.	Draper st.	D	4	16.5 N. of S. L. Draper st.	3.8 E. of W. L. North ave.	
	S. E. cor. Concord ave.	*Concord ave.	D	4	15.5 W. of E. L. Concord ave.	5.6 N. of S. L. Draper st.	
Eagle Street.	S. E. cor. Troup st.	Eagle st.	D	4	14.8 W. of E. L. Eagle st.	6.0 N. of S. L. Troup st.	
	N. E. cor. Franklin & Main sts.	East ave.	D	8	33.2 S. of N. L. Main st.	12.7 E. of E. L. Franklin st. †	
East Avenue.	N. E. cor. Franklin & Main sts.	East ave.	F C	6	37.5 S. of N. L. Main st.	12.3 E. of E. L. Franklin st. †	
	S. W. cor. Chestnut st.	*Chestnut st.	D	6	22.0 E. of W. L. Chestnut st.	7.2 N. of S. L. East ave.	
	N. E. cor. Chestnut st.	*Chestnut st.	D	6	22.4 W. of E. L. Gibbs st.	3.6 S. of N. L. East ave.	
	N. E. cor. Gibbs st.	*Gibbs st.	D	6	18.8 E. of W. L. Scio st.	4.4 S. of N. L. East ave.	
	N. W. cor. Scio st.	*Scio st.	D	4	22.6 N. of S. L. East ave.	3.8 E. of W. L. William st.	
	S. W. cor. William st.	East ave.	D	4	19.2 W. of S. L. East ave.	4.2 N. of S. L. East ave.	
	S. E. cor. William st.	*William st.	D	4	17.5 E. of W. L. East st.	4.5 S. of N. L. East ave.	
	N. W. cor. East st.	*East st.	D	8	21.7 N. of S. L. East ave.	On W. L. North Union st.	
	S. W. cor. Union st.	*Union st.	D	8	21.9 E. of W. L. Union st. (N)	5.7 N. of S. L. East ave. (W.)	
	N. W. cor. Union st.	*Union st.	D	6	21.9 E. of W. L. Union st. (N)	5.4 S. of N. L. East ave.	
	S. E. cor. Union st.	East ave.	D	8	22.2 N. of S. L. East ave.	1.2 E. of E. L. North Union st.	
	S. W. cor. Alexander st.	East ave.	D	8	21.5 N. of S. L. East ave.	On W. L. Alexander st. (S)	
	N. W. cor. Alexander st.	*Alexander st.	D	6	4.5 E. of W. L. Alexander st.	4.2 N. of S. L. East ave.	
	N. W. cor. Alexander st.	*Alexander st.	D	8	18.2 E. of W. L. Alexander st.	7.1 S. of N. L. East ave.	
	N. E. cor. Franklin & Main sts.	East ave.	D	8	33.2 S. of N. L. Main st.	12.7 E. of E. L. Franklin st. †	
	N. E. cor. Franklin & Main sts.	East ave.	D	6	37.5 S. of N. L. Main st.	12.3 E. of E. L. Franklin st. †	

† First measurement at right angles to Main street, and 2nd is parallel to same.

TABLE No. 2—(CONTINUED).

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in)	CO-ORDINATES.
East Avenue. (Continued.)					
S. E. cor. Alexander st.	Alexander st.		D	6	2.9 W. of E. L. Alexander st.
S. E. cor. Alexander st.	East ave.		D	6	2.1.3 N. of S. L. East ave.
N. W. cor. Prince st.	Prince st.		D	6	2.1.3 E. of W. L. Prince st.
S. W. cor. Meigs st.	East ave.		D	6	4.0 S. of N. L. Meigs st.
S. W. cor. Meigs st.	*Meigs st.		D	6	2.1.3 E. of W. L. Meigs st.
East Street.					
N. W. cor. East ave.	East st.		D	4	17.3 E. of W. L. East st.
S. E. cor. Vine st.	*Vine st.		D	4	13.6 N. of S. L. Vine st.
Edinburgh Street.					
S. E. cor. Exchange st.	Edinburgh st.		D	1	20.4 N. of S. L. Edinburgh st. (E.)
N. E. Fitzhugh st.	*Fitzhugh st.		D	4	18.2 W. of E. L. Fitzhugh st.
S. E. cor. Caledonia sq.	Edinburgh st.		D	4	19.5 N. of S. L. Edinburgh st. (E.)
S. W. cor. Caledonia sq.	*Plymouth ave.		D	8	70.4 W. of W. L. Plymouth ave. (N.)†
S. E. cor. Caledonia ave.	Edinburgh st.		D	4	20.2 N. of S. L. Edinburgh st.
Edmonds Street. (Not Extended.)					
S. W. cor. Monroe ave.	Edmonds st.		D	4	18.9 E. of W. L. Edmonds st.
Elizabeth Street.					
N. E. cor. Main st.	Elizabeth st.		D	6	18.0 W. of E. L. Elizabeth st.
N. E. cor. Main st.	*Elizabeth st.		H	10	20.0 W. of E. L. Elizabeth st.
S. W. cor. Centre pk.	*Centre pk.		D	4	23.3 N. of S. L. Centre pk.
Elm Street.					
S. E. cor. Main st.	Elm st.		D	4	21.7 W. of E. L. Elm st.
S. E. cor. Main st.	*Elm st.		H	4	23.8 W. of E. L. Elm st.
S. W. cor. Chestnut st.	*Chestnut st.		D	6	21.0 E. of W. L. Chestnut st.
Ely Street.					
S. E. cor. St. Paul st.	Ely st.		D	4	9.1 N. of S. L. Ely st.
S. E. cor. St. Paul st.	*Ely st.		H	6	10.7 N. of S. L. Ely st.
S. W. cor. Stone st.	Ely st.		H	8	11.5 N. of S. L. Ely st.
Opp. S. W. cor. Stone st.	*Stone st.		H	8	12.6 W. of E. L. Stone st.
Emerson Street. (Not Extended.)					
S. W. cor. Lake ave.	Emerson st.		D	4	19.9 N. of S. L. Emerson st.
Emmet Street. (Not Extended.)					
N. E. cor. Ward st.	Emmet st.		D	4	18.0 W. of E. L. Emmet st.
Erie Street.					
S. W. cor. Kent st.	Erie st.		D	2	22.2 N. of S. L. Erie st.
Exchange Place.					
S. E. cor. State st.	Exchange pl.		D	4	12.7 N. of S. L. Exchange pl.

†First ordinate is parallel to Edinburgh street, and 2nd at right angles to same.

TABLE NO. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.	CO-ORDINATES.	
			(In.)			
Exchange Street.	N. W. cor. State and Main sts.	*Main st.	D	20	45.2 S. of N. L. Main st.	9.6 W. of W. L. State st.
	A. W. cor. State and Main sts.	*Main st.	H	16	47.2 S. of A. L. Main st.	6.5 W. of W. L. State st.
	S. E. cor. Main st.	Exchange st.	D	8	26.9 W. of E. L. Exchange st.	13.2 N. of S. L. Main st.
	S. E. cor. Main st.	Exchange st.	H	8	25.3 W. of E. L. Exchange st.	11.7 N. of S. L. Main st.
	N. W. cor. Spring st.	Exchange st.	D	4	28.1 E. of W. L. Exchange st.	13.0 S. of N. L. Spring st.
	N. W. cor. Spring st.	Exchange st.	D	4	14.1 S. of N. L. Spring st.	8.0 E. of W. L. Exchange st. (S.)
	S. E. cor. Spring st.	*Spring st.	D	4	23.7 W. of E. L. Exchange st.	12.3 W. of E. L. Exchange st. (S.)
	S. E. cor. Court st.	*Court st.	D	6	19.7 N. of S. L. Troup st.	2.9 E. of W. L. Exchange st. (S.)
	S. W. cor. Troup st.	Exchange st.	D	8	19.3 E. of W. L. Adams st.	4.3 N. of S. L. Troup st.
	S. W. cor. Adams st.	*Adams st.	D	8	25.5 S. of N. L. Adams st.	8.3 E. of W. L. Exchange st. (S.)
	S. W. cor. Adams st.	Exchange st.	D	8	22.0 E. of W. L. Exchange st. (S.)	7.7 N. of S. L. Adams st.
	S. E. cor. Edinburgh st.	*Edinburgh st.	D	1	30.4 N. of S. L. Edinburgh st.	7.8 W. of E. L. Exchange st. (N.)
	S. E. cor. Glasgow st.	*Glasgow st.	D	2	28.0 S. of N. of S. L. Glasgow st.	5.5 E. of W. L. Exchange st.
	S. W. cor. Glasgow st.	*Glasgow st.	D	6	19.0 N. of S. L. Glasgow st.	2.0 N. of S. L. Glasgow st.
	S. W. cor. Glasgow st.	Exchange st.	D	6	19.9 E. of W. L. Exchange st.	8.0 E. of W. L. Exchange st.
	N. W. cor. Hubbell pk.	*Hubbell pk.	D	3	21.8 S. of N. L. Hubbell pk.	10.5 N. of N. L. Clarissa st. (W.)
Intersection of Greig st.	Exchange st.	D	6	19.2 E. of W. L. Exchange st.		
Finney Street. (Not Extended.)	S. E. cor. Tappan st.	Finney st.	D	4	17.6 W. of E. L. Finney st.	4.5 N. of S. L. Tappan st.
First Street. (Not Extended.)	S. E. cor. McCracken st.	*McCracken st.	D	6	23.8 N. of S. L. McCracken st.	6.2 W. of E. L. First st.
N. Fitzhugh St.	N. E. cor. Main st.	Fitzhugh st.	D	4	25.3 W. of E. L. Fitzhugh st.	9.5 S. of N. L. Main st. (W.)
N. Fitzhugh St.	N. E. cor. Main st.	Fitzhugh st.	H	4	26.0 W. of E. L. Fitzhugh st.	10.8 S. of N. L. Main st. (W.)
S. Fitzhugh Street.	S. E. cor. Main st.	Fitzhugh st.	H	6	25.2 W. of E. L. Fitzhugh st.	9.8 N. of S. L. Main st.
S. E. cor. Main st.	S. E. cor. Main st.	Fitzhugh st.	D	4	24.1 W. of E. L. Fitzhugh st.	9.5 N. of S. L. Main st.
N. E. cor. Spring st.	N. E. cor. Spring st.	Fitzhugh st.	D	2	21.8 W. of E. L. Fitzhugh st.	5.0 S. of N. L. Spring st. (E.)
N. E. cor. Troup st.	N. E. cor. Troup st.	Fitzhugh st.	D	4	21.8 W. of E. L. Fitzhugh st.	5.5 S. of N. L. Troup st. (W.)
N. E. cor. Adams st.	N. E. cor. Adams st.	Fitzhugh st.	D	4	18.3 W. of E. L. Fitzhugh st.	14.0 S. of S. F. Building N. E. cor.
N. E. cor. Edinburgh st.	N. E. cor. Edinburgh st.	Fitzhugh st.	D	4	18.2 W. of E. L. Fitzhugh st.	1 Plymouth ave. and Adams st.
S. E. cor. Hudson st.	S. E. cor. Hudson st.	Fehner st.	D	4	17.7 N. of S. L. Fehner st.	2.7 S. of N. L. Edinburgh st.
Force Main. (Not Extended.)	In Mill st. opp. Pump House.	Force Main.	H	20	14.3 N. of N. F. Greenwood's Building.	6.0 W. of E. L. Hudson st.
From Pump House to Mill Street.					20.2 W. of W. F. Greenwood's bldg.	

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	Direction of Flow (ft.)	CO-ORDINATES.
N. Ford street.	N. E. cor. West ave. N. E. cor. West ave. S. W. cor. Allen st. S. W. cor. <i>Allen st.</i> N. W. cor. Allen and Oak sts.	*West ave. Ford st. Ford st. <i>Ford st.</i> Allen st.	D D D D D	5.0 W. of E. L. Ford st. (N) 6.5 S. of N. L. West ave. 4.3 N. of S. L. Allen st. 4.4 N. of S. L. <i>Allen st.</i> 3.2 E. of W. L. Oak st.
S. Ford street.	N. E. cor. West ave. N. E. cor. Spring st. N. W. cor. Troup st. S. E. cor. Troup st. S. W. cor. Troup st.	*West ave. Spring st. Ford st. Troup st. Ford st.	D D D D D	5.0 W. of E. L. Ford st. (N) 5.2 W. of E. L. Ford st. 4.2 S. of N. L. Troup st. (W) 3.1 W. of E. L. Ford st. (N) 3.2 E. of W. L. Ford st. (S)
N. Frances Street.	N. E. cor. West ave. N. W. cor. West ave. S. W. cor. New York st. S. W. cor. Terry st. N. E. cor. Brown st. S. E. cor. E. Maple st.	*West ave. West ave. New York st. Terry st. Frances st. E. Maple st.	D D D D D D	4.1 W. of E. L. Frances st. (S) 5.3 E. of W. L. Frances st. (N) 6.0 S. of N. L. West ave. 7.1 E. of W. L. Frances st. (N) 4.5 E. of W. L. Frances st. (S) 9.0 N. of S. L. Brown st. 0.7 E. of W. L. Frances st. 13.7 W. of W. F. Building, S. E. cor.
S. Frances Street.	N. E. cor. West ave. N. W. cor. West ave. S. E. cor. West Troup st. S. W. cor. West Troup st. S. E. cor. Clifton st. Opp. N. E. cor. Adams st. S. E. cor. Adams st. S. E. cor. Tremont st. S. W. cor. Marion st. S. W. cor. Penn st.	*West ave. Frances st. W. Troup st. W. Troup st. Hyd. Br. in Frances st. *Clifton st. Frances st. Adams st. Tremont st. Marion st. Penn st.	D D D D D D D D D D	4.4 W. of E. L. Frances st. (S) 5.3 E. of W. L. Frances st. (N) 8.0 N. of S. L. West ave. (E) 8.0 W. of E. L. Frances st. (N) 7.2 E. of W. L. Frances st. (S) 3.0 W. of E. L. Frances st. (S) 4.3 E. of W. L. Frances st. (N) 4.8 S. of N. L. Adams st. 4.0 W. of E. L. Frances st. 5.2 E. of W. L. Frances st. 4.2 W. of E. L. Frances st. 5.5 E. of W. L. Frances st.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	Size. (in.)	CO-ORDINATES.
Genesee Street. From West Ave. to 175 feet South.	N. W. cor. West av. & Brown st. S. E. cor. West ave.	*West ave. Genesee st.	D 12 D 12	1.5 W. of W. L. Genesee st. 8.5 N. of S. L. West ave.
George Street. From Chestnut St. to William St.	S. W. cor. William st. S. E. cor. William st.	George st. George st.	D 4 D 4	5.0 E. of W. L. William st. 3.7 W. of E. L. William st.
Gibbs Street.	N. E. cor. East ave. S. E. cor. Main st. N. W. cor. Main st. N. W. cor. Main st. N. E. Main st. N. E. cor. Selden st. S. E. cor. University ave.	Gibbs st. Gibbs st. *Main st. *Main st. Gibbs st. *Selden st. Gibbs st.	D 4 D 4 D 20 D 6 D 4 D 4 D 4	3.6 S. of N. L. East ave. 1.2 N. of S. L. Main st. 3.6 W. of W. L. Gibbs st. (N.) 2.1 W. of W. L. Gibbs st. (N.) 11.0 S. of N. L. Main st. (E.) 7.0 W. of E. L. Gibbs st. 6.7 N. of S. L. University ave. (E.)
Glasgow Street.	S. E. cor. Exchange st. S. W. cor. Exchange st. S. W. cor. Exchange st. N. E. cor. Caledonia sq. S. W. cor. Plymouth ave. S. E. cor. Caledonia ave.	Glasgow st. *Exchange st. Glasgow st. Lateral fr. Glasgow st. Glasgow st. Glasgow st.	D 2 D 6 D 6 D 2 D 6 D 6	7.9 W. of E. L. Exchange st. (N.) 2.0 N. of S. L. Glasgow st. 5.5 E. of W. L. Exchange st. 2.5 S. of N. L. Glasgow st. 6.8 E. of W. L. Caledonia sq. 4.4 W. of E. L. Caledonia ave. (N.)
Goodman Street. (Not Extended.)	S. W. cor. Park ave.	*Park ave.	D 4	4.0 E. of W. L. Goodman st. (N.)
Gorham Street. (Not Extended.)	S. E. cor. St. Paul st. S. E. cor. St. Paul st.	*St. Paul st. Gorham st.	D 8 D 6	4.7 N. of S. L. Gorham st. 6.9 W. of E. L. St. Paul st. (S.)
Grape Street.	N. E. cor. Wilder st. N. E. cor. Romeyn st. S. W. cor. Campbell st. N. W. cor. Campbell st. S. E. cor. Orange st. S. W. cor. Orange st. S. E. cor. Jay st. S. W. cor. Jay st. S. W. cor. Smith st. N. W. cor. Smith st.	*Wilder st. *Romeyn st. *Campbell st. Grape st. *Orange st. *Orange st. *Jay st. *Jay st. Grape st. *Smith st.	D 6 D 6 D 16 D 4 D 6 D 4 D 12 D 8 D 6	13.0 E. of W. L. Grape st. 5.5 W. of E. L. Grape st. 5.3 E. of W. L. Grape st. (N.) 2.8 S. of N. L. Campbell st. 4.5 W. of E. L. Grape st. (S.) 4.6 E. of W. L. Grape st. (S.) 3.8 W. of E. L. Grape st. 4.7 E. of W. L. Grape st. 5.8 N. of S. L. Smith st. (W.) 4.5 E. of W. L. Grape st. (S.)

†Lateral for services on E. side Sq., and A. C.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.
Graves Street....	N. W. cor. Front and Main sts.	Graves st.	H	4	On E. F. Building N. W. cor. 39.8 S. of N. L. Main st.
Greenwood Ave....	Opp. N. E. cor. Atkinson st.	*Atkinson st.	D	6	19.0 N. of S. L. Atkinson st. 0.5 E. of E. L. Greenwood ave.
(Not Extended.)	S. W. cor. Troup st.	Greenwood ave.	D	4	12.0 E. of W. L. Greenwood ave. 5.0 N. of S. L. Troup st.
	S. E. cor. Troup st.	*Troup st.	D	6	22.1 N. of S. L. Troup st. 5.8 W. of E. L. Greenwood ave.
Gregory Street....	N. E. cor. South ave.	Gregory st.	D	6	20.2 S. of S. F. building N. E. cor. 6.4 W. of E. L. South ave.
(Not Extended.)	N. W. cor. South ave.	Gregory st.	D	6	20.2 S. of N. L. Gregory st. 6.3 E. of W. L. South ave.
	N. E. cor. Ashland st.	Gregory st.	D	6	22.1 S. of N. L. Gregory st. 3.6 W. of E. L. Ashland st.
	N. E. cor. Ashland st. †	*Ashland st.	D	4	12.7 W. of E. L. Ashland st. 4.5 S. of N. L. Gregory st.
Greig Street....	N. W. cor. Clarissa st.	Greig st.	D	4	26.0 E. of W. L. Greig st. 16.5 N. of N. L. Clarissa st. (W.)
	N. E. cor. Hubbell pk.	*Hubbell pk.	D	3	14.2 S. of N. L. Hubbell pk. 7.0 W. of E. L. Greig st.
	Intersection Plymouth ave.	Greig st.	D	6	40.0 W. of E. L. Greig st. 5.5 N. of N. L. Alley running E.
	Intersection Plymouth ave.	*Plymouth ave.	D	6	23.5 E. of W. L. Plymouth ave. 1.0 S. of N. L. Alley running W.
Griffith Street....	Opp. N. E. cor. St. Paul st.	*St. Paul st.	D	16	7.3 E. of W. Bailing St. Paul st. bridge. 15.6 S. of N. L. Griffith st.
(Not Extended.)	S. E. cor. St. Paul st.	Griffith st.	D	4	32.5 S. of N. L. Griffith st. 7.7 W. of E. L. St. Paul st.
	S. W. cor. Broadway	Griffith st.	D	4	18.6 N. of S. L. Griffith st. 3.6 E. of W. L. Broadway. (S.)
	S. E. cor. Broadway	*Broadway	D	6	23.7 W. of E. L. Broadway. 5.1 N. of S. L. Griffith st.
	S. W. cor. Pearl st.	Griffith st.	D	4	18.5 N. of S. L. Griffith st. 1.3 E. of W. L. Pearl st.
Grove Street....	S. E. cor. North st.	Grove st.	D	4	19.3 N. of S. L. Grove st. 4.2 W. of E. L. North st.
	S. E. cor. Stillson st.	Grove st.	D	4	19.3 N. of S. L. Grove st. 4.2 W. of W. F. Church N. E. cor.
Hamilton Place....	N. E. cor. Mt. Hope ave.	Hamilton pl.	D	6	22.5 S. of N. L. Hamilton pl. 6.5 W. of E. L. Mt. Hope ave. (N.)
From Mt. Hope Av.	N. W. cor. South ave.	Hamilton pl.	D	6	22.0 S. of N. L. Hamilton pl. 4.3 E. of W. L. South ave.
to South Ave.	N. E. cor. South ave.	Hamilton pl.	D	6	21.0 S. of N. L. Hamilton pl. 4.8 W. of E. L. South ave.
Hand Street....	S. E. cor. St. Paul st.	Hand st.	D	4	17.8 N. of S. L. Hand st. 5.9 W. of E. L. St. Paul St. (S.)
	S. W. cor. Clinton st.	Hand st.	D	4	26.0 S. of N. L. Hand st. 8.4 E. of W. L. Clinton st.
Hart Avenue....	S. E. cor. St. Paul st.	Hart ave.	D	4	38.4 S. of N. L. Hart ave. 5.2 W. of E. L. St. Paul st.
Helena Street....	N. E. cor. Hudson st.	Helena st.	D	6	17.8 S. of N. L. Helena st. 5.4 W. of E. L. Hudson st.
(Not Extended.)					

†Turns to left to open.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.		(in.)	CO-ORDINATES.	
Hickory Street	N. E. cor. Mt. Hope ave.	*Mt. Hope ave.	D	8	23.0 W.	of E. L. Mt. Hope ave.	9.2 N.	of N. L. Hickory st.
	S. E. cor. Mt. Hope ave.	Hickory st.	D	6	21.0 W.	of S. L. Hickory st.	6.4 W.	of E. L. Mt. Hope ave. (N)
	S. E. cor. Ashland st.	Hickory st.	D	6	21.5 N.	of S. L. Hickory st.	1.3 W.	of E. L. Ashland st. (S)
	S. W. cor. South ave.	Hickory st.	D	6	21.5 N.	of S. L. Hickory st.	7.2 E.	of W. L. South ave.
	N. W. cor. South ave.	*South ave.	D	16	22.3 E.	of W. L. South ave.	3.0 S.	of N. L. Hickory st.
Howell Street	S. W. cor. Monroe ave.	Howell st.	D	6	22.8 N.	of S. L. Howell st.	7.2 E.	of W. L. Monroe ave. (S)
	S. E. cor. Broadway.	Howell st.	D	6	21.3 W.	of E. L. Broadway	6.2 N.	of S. L. Howell st.
	S. E. cor. St. Paul st.	Howell st.	D	6	24.5 N.	of S. L. Howell st.	9.3 W.	of E. L. St. Paul st. (S)
Hubbell Park	N. W. cor. Exchange st.	Hubbell Park.	D	3	21.8 S.	of N. L. Hubbell Park	8.0 E.	of W. L. Exchange st.
	N. E. cor. Greig st.	Hubbell Park.	D	3	14.2 S.	of N. L. Hubbell Park	7.0 W.	of E. L. Greig st.
Hudson Street	Intersection North st.	Hudson st.	D	6	19.5 W.	of E. L. Hudson st.	10.5 S.	of N. L. North st. (W)
	S. E. cor. Webster st.	Hudson st.	D	6	40.3 E.	of W. L. Hudson st.	4.5 N.	of S. L. Webster st.
	Opp. S. E. cor. Webster st.	Lateral in Hudson st.	30 D	6	35.7 E.	of W. L. Hudson st.	30.7 N.	of S. L. Webster st.
	S. W. cor. Kelly st.	*Kelly st.	D	8	15.8 N.	of W. L. Kelly st.	6.4 E.	of W. L. Hudson st.
	Opp. N. W. cor. Kelly st.	Hudson st.	D	6	21.1 W.	of E. L. Hudson st.	11.3 S.	of N. L. Kelly st.
	Opp. S. W. cor. Vienna st.	Hudson st.	D	6	21.1 W.	of E. L. Hudson st.	4.8 N.	of S. L. Vienna st.
	N. E. cor. Hebeus st.	*Hebeus st.	D	6	17.8 S.	of N. L. Hebeus st.	5.4 W.	of E. L. Hudson st.
	N. E. cor. Fochner st.	*Fochner st.	D	4	15.1 N.	of S. L. Fochner st.	6.0 W.	of E. L. Hudson st.
	N. E. cor. Channing st.	Hudson st.	D	6	20.1 W.	of E. L. Hudson st.	2.6 N.	of N. L. Channing st.
	Opp. S. W. cor. Caledonia av.	*Caledonia av.	D	8	21.0 W.	of E. L. Caledonia av.	6.5 N.	of S. L. Hunter st.
Hunter Street From Caledonia Av. to Frances St.	S. W. cor. Caledonia av.	Hunter st.	D	16	18.1 N.	of S. L. Hunter st.	2.8 E.	of W. L. Caledonia av. (N)
	E. side of Ocean st.	Hunter st.	D	16	18.1 E.	of S. L. Hunter st.	2.1 W.	of E. L. Ocean st.
	1st Hydrant W. of Ocean st.	*Ocean st.	D	6	19.3 E.	of W. L. Ocean st.	43.0 S.	of S. L. Hunter st. (W)
	2nd Hydrant W. of Ocean st.	Hyd. Br. in Hunter st.	D	4	2.8	Directly before Hydrant.		
	3rd Hydrant W. of Ocean st.	Hyd. Br. in Hunter st.	D	4	2.8	Directly before Hydrant.		
	Opp. S. E. cor. Reynolds st.	Hunter st.	D	16	19.1 N.	of S. L. Hunter st.		
	S. E. cor. Reynolds st.	*Reynolds st.	D	8	19.9 W.	of E. L. Reynolds st.	4.6 W.	of E. L. Reynolds st. (E)
	N. E. cor. Reynolds st.	*Reynolds st.	D	8	19.9 W.	of E. L. Reynolds st.	3.5 N.	of S. L. Hunter st. (E)
	Hyd. bet'n Reynolds & Frances	Hyd. Br. in Hunter st.	D	4	3.1	Directly before Hydrant.	4.0 S.	of N. L. Hunter st. (W)
	S. E. cor. Frances st.	Hunter st.	D	16	21.1 N.	of S. L. Hunter st.	2.9 W.	of E. L. Frances st.
	S. W. cor. Frances st.	*Frances st.	D	16	19.2 E.	of W. L. Frances st.	4.6 N.	of S. L. Hunter st.
	N. W. cor. Frances st.	*Frances st.	D	16	19.6 E.	of W. L. Frances st.	4.1 S.	of N. L. Hunter st. (E)

TABLE No 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.
Irving Place.....	S. W. cor. Main st.....	Irving Place.....	H	6	11.4 E. of W. L. Irving Place..... 7.3 N. of S. L. Main st. (E)
Jackson Street, (Not Extended.)	N. E. cor. St. Paul st.....	Jackson st.....	D	4	11.8 S. of N. L. Jackson st..... 7.5 W. of E. L. St. Paul st. (S)
James Street.....	S. W. cor. William st.....	James st.....	D	4	30.2 S. of N. L. James st..... 5.5 E. of W. L. William st.
	N. E. cor. William & Court sts.....	*William st.....	D	6	21.2 W. of E. L. William st..... 1.6 S. of N. L. Court st
Jay Street.....	S. W. cor. State st.....	Jay st.....	D	6	24.5 N. of S. L. Jay st..... 9.0 E. of W. L. State st. (S)
From State to Grape Sts.	Opp. N. E. cor. Bolivar st.....	Jay st.....	D	6	24.4 N. of S. L. Jay st..... 3.6 E. of W. L. Frank st. (S)
S. E. cor. Kent st.....	*Kent st.....	Jay st.....	D	6	23.5 N. of S. L. Jay st..... 4.6 W. of E. L. Bolivar st.
S. E. cor. Oak st.....	Jay st.....	Jay st.....	D	4	23.0 W. of E. L. Kent st..... 6.0 N. of S. L. Jay st.
S. E. cor. Grape st.....	Jay st.....	Jay st.....	D	6	24.0 N. of S. L. Jay st..... 3.5 W. of E. L. Oak st.
S. W. cor. Grape st.....	Jay st.....	Jay st.....	D	4	21.9 N. of S. L. Jay st..... 3.8 W. of E. L. Grape st.
		Jay st.....	D	12	21.8 N. of S. L. Jay st..... 4.7 E. of W. L. Grape st.
Jefferson Park.....	S. E. cor. Alexander st.....	Jefferson Park.....	D	4	12.9 W. of E. L. Jefferson Park..... 3.6 N. of S. L. Alexander st.
(Not Extended.)	S. W. cor. Clinton st.....	Johnson Park.....	D	4	12.0 N. of S. L. Johnson Park..... 2.1 W. of W. L. Clinton st.
Johnson Park.....	N. E. cor. Awater st.....	Joiner st.....	D	4	18.0 W. of W. F. Building, N. E. cor. 5.2 S. of N. L. Awater st. (W)
Joiner Street, (Not Extended.)	N. W. cor. Lake ave.....	*Lake ave.....	D	8	5.7 E. of W. L. Lake ave. (S)
Jones Avenue.....	Intersection Ambrose st.....	*Ambrose st.....	D	8	36.8 N. of S. L. Ambrose st..... 7.6 E. of W. L. Lake ave. (S)
	S. E. cor. Saratoga ave.....	Jones ave.....	D	4	23.0 N. of S. L. Jones ave..... 1.4 W. of E. L. Saratoga ave. (S)
Jones Street.....	N. E. cor. Centre st.....	Jones st.....	D	4	22.0 W. of E. L. Jones st..... 5.8 S. of N. L. Centre st. (E)
	N. E. cor. Platt st.....	Jones st.....	D	4	21.5 W. of E. L. Jones st..... 12.5 S. of N. L. Platt st.
	N. E. cor. Brown st.....	Jones st.....	D	4	20.8 W. of E. L. Jones st..... 4.7 S. of N. L. Brown st. (E)
	N. E. cor. Smith st.....	*Smith st.....	D	16	22.2 S. of N. L. Smith st..... 3.6 W. of E. L. Jones st. (N)
	N. E. cor. Smith st.....	Jones st.....	D	4	19.7 W. of E. L. Jones st..... 6.1 S. of N. L. Smith st.
	S. E. cor. Lyell st.....	Jones st.....	D	4	16.6 W. of E. L. Jones st..... 5.6 N. of S. L. Lyell st.
Joslyn Park.....	N. E. cor. Seio st.....	Joslyn Park.....	D	4	18.0 S. of N. L. Joslyn Park..... 2.5 W. of E. L. Seio st.
(Not Extended.)	Opp. N. W. cor. Hudson st.....	*Hudson st.....	D	6	21.4 W. of E. L. Hudson st..... 11.3 S. of N. L. Kelly st.
Kelly Street, (Not Extended.)	S. W. cor. Hudson st.....	Kelly st.....	D	8	17.8 N. of S. L. Kelly st..... 6.4 E. of W. L. Hudson st.
	S. E. cor. Clinton st.....	*Clinton st.....	D	12	23.6 W. of E. L. Clinton st. (S) 1.5 S. of S. L. Kelly st.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	Size (ft. by in.)	COORDINATES.
Kent St.	N. E. cor. Allen st.	Kent st.	D 4 26.4 W. of E. L. Kent st.	7.6 S. of N. L. Allen st. (E.)
S. E. cor. Platt st.	Kent st.	Kent st.	D 4 23.1 W. of E. L. Kent st. (N.)	7.1 N. of S. L. Platt st. (W.)
S. W. cor. Platt st.	*Platt st.	*Platt st.	D 6 24.2 N. of S. L. Platt st. (W.)	4.0 E. of W. L. Kent st. (S.)
S. W. cor. Platt st.	*Platt st.	*Platt st.	D 6 24.3 N. of S. L. Platt st. (W.)	6.0 E. of W. L. Kent st. (S.)
S. W. cor. Erie st.	Kent st.	Kent st.	D 4 23.0 W. of E. L. Kent st. (N.)	6.9 S. of N. L. Platt st. (E.)
S. E. cor. Brown st.	*Brown st.	*Brown st.	D 2 22.2 N. of S. L. Erie st.	1.9 E. of W. L. Kent st. (N.)
S. E. cor. Day st.	Kent st.	Kent st.	D 4 21.6 S. of N. L. Brown st.	5.7 W. of E. L. Kent st. (N.)
N. W. cor. Smith st.	Kent st.	Kent st.	D 1 23.0 W. of E. L. Kent st.	6.0 N. of S. L. Jay st.
			D 1 14.5 E. of W. L. Kent st.	5.8 S. of N. L. Smith st.
King Street.	N. E. cor. West ave.	King st.	D 6 18.7 W. of E. L. King st.	6.4 S. of N. L. West ave.
From West Ave. to E. Maple st.	*Madison Place.	*Madison Place.	D 1 14.0 N. of S. L. Madison Place.	4.6 E. of W. L. King st.
	King st.	King st.	D 6 21.5 W. of E. L. of King st.	4.2 N. of N. F. School H. S. E. cor.
Kirk Street.	N. E. cor. North st.	Kirk st.	D 6 20.0 S. of N. L. Kirk st.	6.6 W. of E. L. North st.
(Not extended.) Lafayette Street. (See Adams St.)				
Lake Avenue.	S. W. cor. State and Lyell sts.	*Lyell st.	D 8 23.5 N. of S. L. Lyell st.	1.0 E. of W. L. State st. (S.)
West Side. From Lyell St. to Lake View Park.	N. W. cor. Lyell st.	Lake ave.	D 12 26.0 E. of W. L. Lake ave.	6.1 S. of N. L. Lyell st.
	N. W. cor. Lyell st.	Lateral from Lake av.	D 6 67.5 W. of E. L. Lake ave.	26.0 N. of N. L. Smith st.
	N. W. cor. White st.	*White st.	D 4 21.5 N. of S. L. White st. (E.)	12.1 E. of W. L. Lake ave. (N.)
	N. W. cor. Spencer st.	*Spencer st.	D 1 22.0 N. of S. L. Spencer st.	7.9 E. of W. L. Lake ave. (N.)
	S. W. cor. Ambrose st.	Lake ave.	D 12 25.0 E. of W. L. Lake ave.	5.1 N. of S. L. Ambrose st.
	Center of Lake ave.	*Ambrose st. Cross Br.	D 6 36.1 N. of S. L. Ambrose st.	19.0 W. of E. L. Lake ave. (N.)
	N. W. cor. Jones ave.	*Lake ave.	D 8 36.5 N. of S. L. Ambrose st.	7.6 E. of W. L. Lake ave. (S.)
	N. W. cor. Lorimer st.	*Lorimer st.	D 8 37.5 E. of W. L. Lorimer st.	4.0 S. of N. L. Jones ave.
	N. W. cor. Phelps ave.	*Phelps ave.	D 6 40.0 S. of N. L. Phelps ave.	3.1 W. of W. L. Lake ave. (S.)
	N. W. cor. Emerson st.	Lake ave.	D 8 21.0 E. of W. L. Lake ave.	26.1 S. of N. L. Phelps ave.
	S. W. cor. Emerson st.	*Emerson st.	D 4 19.0 N. of S. L. Emerson st.	2.3 W. of W. L. Lake ave.
	S. W. cor. Perkins st.	Lake ave.	D 8 3.0 E. of W. L. Lake ave.	2.3 N. of S. L. Perkins st.
	N. W. cor. Perkins st.	*Perkins st.	D 6 6.1 N. of S. L. Perkins st.	8.0 E. of W. L. Lake ave.
	N. W. cor. Perkins st.	*Perkins st.	D 4 21.0 S. of N. L. Perkins st.	1.6 W. of W. L. Lake ave. (N.)
	N. W. cor. Perkins st.	Lake ave.	D 8 2.6 E. of W. L. Lake ave.	7.2 S. of N. L. Perkins st.
	N. W. cor. Champion st.	*Champion st.	D 6 30.0 S. of N. L. Champion st.	3.5 W. of W. L. Lake ave. (S.)
	S. W. cor. Brisbane st.	*Brisbane st.	D 4 24.1 N. of S. L. Brisbane st.	1.9 W. of W. L. Lake ave. (S.)
	S. W. cor. Rowe st.	*Rowe st.	D 8 44.5 S. of N. L. Rowe st.	2.6 E. of W. L. Lake ave. (N.)

TABLE No. 2.—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.		CO-ORDINATES.
Lake Avenue. (Continued.)	S. W. cor. McCracken st.	Lake ave.	D	8	3.2 E. of W. L. Lake ave.	9.5 N. of S. L. McCracken st.
	S. W. cor. McCracken st.	*McCracken st.	D	6	23.8 N. of S. L. McCracken st.	1.9 W. of W. L. Lake ave. (S.)
	N. W. cor. McCracken st.	*McCracken st. (C. Br.)	D	6	1.5 S. of W. L. McCracken st.	10.1 E. of W. L. Lake ave.
	N. W. cor. McCracken st.	Lake ave.	D	8	3.8 E. of W. L. Lake ave.	5.0 N. of N. L. McCracken st.
	Entrance Lake View Park.	*Lake View Park.	D	4	83.0 N. of S. L. Lake View pk.	0.6 E. of W. L. Lake ave. (S.)
Lake Avenue. (Not Extended.)	S. E. cor. State st. & Vincent pl.	*Vincent pl.	D	4	22.5 N. of N. E. Building S. E. cor.	5.8 W. of E. L. Lake ave.
	N. E. cor. Vincent pl.	Lake ave.	D	8	25.3 W. of E. L. Lake ave.	8.4 N. of N. L. Smith st.
	S. E. cor. White st.	*White st.	D	3	10.2 N. of S. L. White st. (E.)	6.9 W. of E. L. Lake ave. (N.)
	S. E. cor. Spencer st.	*Spencer st.	D	3	31.0 N. of S. L. Spencer st. (E.)	7.2 W. of E. L. Lake ave. (N.)
	S. E. cor. Ambrose st.	Lake ave.	D	8	25.5 W. of E. L. Lake ave.	4.7 W. of S. L. Ambrose st. (W.)
	(Centre of Lake ave.)	*Ambrose st. Cross Br.	D	6	36.1 N. of S. L. Ambrose st. (W.)	40.0 W. of E. L. Lake ave. (N.)
	N. E. cor. Ambrose st.	*Ambrose st.	D	3	23.5 S. of N. L. Ambrose st.	3.2 W. of E. L. Lake ave. (N.)
	N. E. cor. Ambrose st.	Lake ave.	D	8	6.5 W. of E. L. Lake ave.	3.8 S. of N. L. Ambrose st.
	Opp. N. W. cor. Phelps ave.	Lake ave.	D	8	3.2 W. of E. L. Lake ave.	22.0 N. of N. L. Phelps ave.
	At Lake ave.	Lake View Park.	D	4	83.0 N. of S. L. Lake View pk.	0.6 E. of W. L. Lake ave. (S.)
Lancaster Street. (Not Extended.)	S. E. cor. Main st.	Lancaster st.	D	4	11.2 W. of E. L. Lancaster st.	6.0 N. of S. L. Main st.
	From Main St. to Court St.	N. E. cor. Court st.	D	4	11.3 W. of E. L. Lancaster st. (S.)	3.4 S. of N. L. Court st.
	S. E. cor. Court st.	Lancaster st.	D	4	11.0 W. of E. L. Lancaster st.	4.0 N. of S. L. Court st.
	S. E. cor. Charlotte st.	Lawrence st.	D	4	15.0 W. of E. L. Lawrence st.	6.2 N. of S. L. Charlotte st.
Leopold Street. (Not Extended.)	N. W. cor. Atwater st.	Leopold st.	D	4	21.0 E. of W. L. Leopold st.	3.1 S. of N. L. Atwater st.
	S. W. cor. South ave.	Linden st.	D	6	10.3 N. of S. L. Linden st.	6.5 E. of W. L. South ave.
Litchfield Street. (Not Extended.)	N. W. cor. West ave.	Litchfield st.	D	4	13.8 E. of W. L. Litchfield st.	6.0 S. of N. L. West ave.
	S. W. cor. Spring st.	Livingston pl.	D	4	1.0 E. of W. L. Livingston pl.	7.5 N. of S. L. Spring st.
Lorimer Street. (Not Extended.)	N. W. cor. Lake ave.	Lorimer st.	D	8	22.8 S. of N. L. Lorimer st.	2.0 W. of W. L. Lake ave. (S.)
	S. E. cor. Saratoga ave.	Lorimer st.	D	8	23.8 S. of N. L. Lorimer st.	6.4 W. of E. L. Saratoga ave. (N.)
	S. E. cor. Saratoga ave.	*Saratoga ave.	D	6	24.0 W. of E. L. Saratoga ave.	5.3 S. of N. L. Lorimer st.
	S. E. cor. Saratoga ave.	*Saratoga ave.	D	6	23.2 W. of E. L. Saratoga ave.	5.8 N. of S. L. Lorimer st.
	N. W. cor. Saratoga ave.	Lorimer st.	D	8	22.3 S. of N. L. Lorimer st.	3.8 E. of W. L. Saratoga ave. (N.)
	N. W. cor. Saratoga ave.	Lorimer st.	D	8	22.3 S. of N. L. Lorimer st.	3.8 E. of W. L. Saratoga ave. (N.)

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	SYSTEM.	SIZE.	COORDINATES.
Lowell Street. (Not Extended.)	N. W. cor. St. Paul st. S. E. cor. St. Paul st. S. E. cor. St. Paul st.	Lowell st. St. Paul st. Lowell st.	D D D	24 6 6	13.2 S. of N. L. Lowell st. (W). 2.1 W. of E. L. St. Paul st. (N). 2.9 W. of S. L. Lowell st. (E).
Lyle Street. From Lake Ave. to Erie Canal.	N. W. cor. Lake ave. S. W. cor. Lake ave. S. W. cor. State st. S. E. cor. Frank st. S. W. cor. Frank st. S. W. cor. Frank st. S. W. cor. Frank st. S. E. cor. Jones st. S. E. cor. Bolivar st. Intersection Spencer st. Intersection Spencer st. N. W. cor. Stratoga ave. S. W. cor. Oak st. N. E. cor. Thompson st. S. W. cor. Moore st. S. E. cor. Saxton st. N. E. cor. West st.	*Lake ave. *Lake ave. *Lake ave. *Frank st. *Frank st. *Frank st. *Frank st. *Jones st. *Bolivar st. *Spencer st. *Spencer st. *Stratoga ave. *Oak st. *Thompson st. *Moore st. *Saxton st. *West st.	D D D D D D D D D D D D D D D D D	12 6 6 6 6 6 6 6 6 6 6 8 4 4 4 6	21.0 E. of W. L. Lake ave. (N). 67.5 W. of E. L. Lake ave. 23.5 N. of S. L. Lyle st. 2.8 N. of S. L. Lyle st. 2.1 E. of W. L. Frank st. 17.0 E. of W. L. Frank st. 25.5 W. of S. L. Lyle st. 16.6 W. of E. L. Jones st. 21.8 W. of E. L. Bolivar st. 21.1 W. of S. L. Spencer st. 26.0 N. of S. L. Lyle st. 24.1 W. of E. L. Oak st. 21.0 W. of E. L. Thompson st. 27.3 W. of E. L. Moore st. 27.8 W. of W. L. Saxton st. 22.0 W. of E. L. West st.
Madison Street. S. W. cor. West ave. S. W. cor. E. Maple st.	Madison st. Madison st.	Madison st. Madison st.	D D	4 4	20.8 E. of W. L. Madison st. 17.1 E. of W. L. Madison st.
Madison Place. S. W. cor. King st.	Madison Place.	Madison Place.	D	4	14.0 N. of S. L. Madison Place.
Magne Street. From Smith St. to Walnut St.	N. W. cor. Smith st. N. E. cor. Smith st. S. E. cor. Walnut st.	Magne st. Smith st. Walnut st.	D D D	6 16 4	35.0 W. of E. L. Magne st. (S). 7.6 S. of N. L. Smith st. 19.8 W. of E. L. Walnut st.
E. Main Street. From Front St. to Prince St.	N. W. cor. Front st. N. W. cor. Front st. Head of Front st. E. side River Bridge. E. side River Bridge.	*Front st. *Front st. Main st. Main st. Main st.	H H H H H	6 20 16 26 26	28.4 E. of E. F. Building, N. W. cor. 29.1 E. of E. F. Building, N. W. cor. 32.0 S. of N. L. Main st. (E). 35.8 S. of N. L. Main st. (E). 39.3 S. of N. L. Main st.
Water Street. From Front St. to Prince St.	N. W. cor. Front st. N. W. cor. Front st. Head of Front st. E. side River Bridge. E. side River Bridge.	*Front st. *Front st. Main st. Main st. Main st.	H H H H H	6 20 16 26 26	28.4 E. of E. F. Building, N. W. cor. 29.1 E. of E. F. Building, N. W. cor. 32.0 S. of N. L. Main st. (E). 35.8 S. of N. L. Main st. (E). 39.3 S. of N. L. Main st.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	Size.		F C	CO-ORDINATES.	
			ft.	(in.)			
E. Main Street.	E side River Bridge.	Main st.	10		34.0 S. of N. L.	35.1 W. of W. L.	Water st. (N.)
(Continued.)	S. E. cor. Water st.	*Water st.	4		12.5 W. of E. L.	8.5 W. of S. L.	Main st. (W.)
N. E. cor. Water st.	S. E. cor. Water st.	*Water st.	6		13.8 W. of E. L.	10.3 N. of S. L.	Main st. (E.)
N. E. cor. Water st.	N. E. cor. Water st.	*Water st.	4		15.3 W. of E. L.	6.3 S. of N. L.	Main st. (E.)
N. W. cor. Liberty st.	N. W. cor. Liberty st.	Hyd. Br. to Main st.	8		16.8 W. of E. L.	6.2 S. of N. L.	Main st. (E.)
N. W. cor. St. Paul st.	N. W. cor. St. Paul st.	*St. Paul st.	4		31.4 E. of W. L.	8.0 S. of N. L.	Main st.
N. W. cor. St. Paul st.	N. W. cor. St. Paul st.	*St. Paul st.	6		22.5 E. of W. L.	8.2 S. of N. L.	Main st.
N. W. cor. St. Paul st.	N. W. cor. St. Paul st.	*St. Paul st.	16		21.9 E. of W. L.	9.7 N. of S. L.	Main st.
N. W. cor. St. Paul st.	N. W. cor. St. Paul st.	*St. Paul st.	6		24.2 E. of W. L.	10.1 N. of S. L.	Main st.
N. E. cor. Stone st.	N. E. cor. Stone st.	*Stone st.	4		13.2 W. of E. L.	11.1 N. of S. L.	Main st.
N. E. cor. Stone st.	N. E. cor. Stone st.	*Stone st.	12		12.1 W. of E. L.	8.4 N. of S. L.	Main st.
N. E. cor. Stone st.	N. E. cor. Stone st.	*Stone st.	10		23.1 S. of N. L.	41.5 E. of E. L.	Stone st.
N. W. cor. Clinton st.	N. W. cor. Clinton st.	Hyd. Br. to Main st.	4		28.3 S. of N. L.	7.1 E. of W. L.	Clinton st. (N.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	13		25.0 W. of E. L.	3.8 S. of N. L.	Main st.
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	12		22.3 W. of E. L.	11.1 S. of N. L.	Main st.
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		24.8 W. of W. E.	13.5 N. of N. E.	Assembly Church.
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	8		15.2 W. of W. E.	13.9 N. of N. E.	Assembly Church.
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	8		29.1 W. of W. E.	13.3 N. of N. E.	Assembly Church.
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	12		31.3 S. of N. L.	1.2 W. of E. L.	Clinton st. (S.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	26		28.0 S. of N. L.	5.4 W. of E. L.	Clinton st. (S.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		3.0 E. of W. L.	6.0 N. of S. L.	Main st.
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		11.2 W. of E. L.	12.8 S. of N. L.	Main st. (W.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		24.8 W. of E. L.	16.9 S. of W. L.	Main st. (W.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	10		26.6 W. of E. L.	25.7 S. of W. L.	Main st. (W.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		23.1 W. of E. L.	7.3 N. of S. L.	Main st. (W.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		21.5 W. of E. L.	1.3 S. of N. L.	Main st. (W.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		2.5 E. of W. L.	12.7 E. of E. L.	Franklin st. 4
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	8		33.3 S. of N. L.	12.3 E. of E. L.	Franklin st. 4
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		31.7 S. of N. L.	24.5 E. of E. L.	Franklin st.
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	8		31.7 S. of N. L.	2.0 S. of W. L.	Gibbs st. (E.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	4		11.5 W. of E. L.	5.6 W. of W. L.	Gibbs st. (N.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	20		27.5 W. of E. L.	2.1 W. of W. L.	Gibbs st. (N.)
N. E. cor. Clinton st.	N. E. cor. Clinton st.	*Clinton st.	6		30.3 S. of N. L.		

*First measurement at right angles to Main street, and 2nd is parallel to same.

TABLE No. 2 CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	COORDINATES.
E. Main Street.			
(continued.)			
S. E. cor. Gibbs st.	*Gibbs st.	D	4 16.3 W. of E. L. Gibbs st.
N. E. cor. Gibbs st.	*Gibbs st.	D	4 30.6 W. of E. L. Gibbs st.
S. E. cor. Swan st.	*Swan st.	D	4 14.5 W. of E. L. Swan st.
N. E. cor. Cherry st.	*Cherry st.	D	4 15.6 W. of E. L. Cherry st.
S. W. cor. Scho st.	*Scho st.	D	6 30.1 E. of W. L. Scho st.
N. E. cor. Scho st.	*Scho st.	D	10 30.6 W. of E. L. Scho st.
S. E. cor. Asylum st.	*Asylum st.	D	4 13.5 W. of E. L. Asylum st.
N. W. cor. University ave.	Hydr' br. in Main st.	D	4 30.1 Directly before hydrant.
N. W. cor. University ave.	Main st.	D	16 30.1 S. of N. L. Main st. (E.)
S. E. cor. University ave.	*University ave.	D	4 33.6 W. of E. L. University ave.
S. W. cor. University ave.	*University ave.	D	4 33.8 E. of W. L. University ave.
N. W. cor. Union st.	*Union st.	D	6 13.3 E. of W. L. Union st.
S. E. cor. Union st.	*Union st.	D	6 13.5 E. of W. L. Union st.
S. E. cor. Police st.	*Police st.	D	6 22.1 W. of E. L. Police st.
W. Main Street.			
N. W. cor. Front st.	*Front st.	H	4 29.7 E. of E. F. Building N. W. cor.
N. W. cor. Front st.	*Front st.	D	6 28.1 E. of E. F. Building N. W. cor.
N. W. cor. Front st.	Hydr' br. in Main st.	H	4 3.0 Directly before hydrant.
S. W. cor. Aqueduct st.	*Aqueduct st.	H	4 15.1 E. of W. L. Aqueduct st.
N. E. cor. State st.	Hydr' br. in Main st.	H	6 16.1 E. of W. L. Aqueduct st.
N. E. cor. State st.	*State st.	H	6 2.4 Directly before hydrant.
S. E. cor. Exchange st.	*Exchange st.	H	16 29.4 W. of E. L. State st.
N. E. cor. Exchange st.	*Exchange st.	H	16 32.5 W. of E. L. State st.
N. W. cor. Exchange st.	*Exchange st.	H	8 26.9 W. of E. L. Exchange st.
N. W. cor. State st.	*Exchange st.	H	8 28.3 W. of E. L. Exchange st.
N. W. cor. State st.	Main st.	H	16 47.2 S. of N. L. Main st.
N. W. cor. State st.	Hydr' br. in Main st.	H	20 45.2 S. of N. L. Main st.
N. W. cor. State st.	Main st.	H	6 In Powers' area.
N. W. cor. State st.	Main st.	H	10 38.9 S. of N. L. Main st.
N. W. cor. State st.	Main st.	H	6 11.4 E. of W. L. Irving pl.
N. E. cor. Fitzhugh st.	Hydr' br. in Main st.	H	6 2.6 Directly before hydrant.
N. E. cor. Fitzhugh st.	*Fitzhugh st.	H	4 25.3 W. of E. L. Fitzhugh st.
S. E. cor. Fitzhugh st.	*Fitzhugh st.	H	4 26.0 W. of E. L. Fitzhugh st.
S. E. cor. Fitzhugh st.	*Fitzhugh st.	H	4 24.1 W. of E. L. Fitzhugh st.
S. E. cor. School Alley.	Hydr' br. in Main st.	H	4 2.3 Directly before hydrant.

TABLE No. 2.—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.		COORDINATES.
				(In.)	(In.)	
Marshall Street.	S. W. cor. Monroe ave.	Marshall st.	D	4	22.7 N. of S. L. Marshall st.	7.6 E. of W. L. Monroe ave.
	S. W. cor. Broadway.	Marshall st.	D	6	33.6 N. of S. L. Marshall st.	6.0 E. of W. L. Broadway.
	S. E. cor. St. Paul st.	Marshall st.	D	6	24.1 N. of S. L. Marshall st.	6.0 W. of E. L. St. Paul st. (N)
Mathews Street. (Not Extended.)	S. E. cor. Charlotte st.	Mathews st.	D	4	13.9 W. of E. L. Mathews st.	2.1 N. of S. L. Charlotte st. (E)
	N. W. cor. Lake ave.	McCracken st. cr'ss br	D	6	1.5 S. of N. L. McCracken st.	10.1 E. of W. L. Lake ave.
	N. W. cor. Lake ave.	*Lake ave.	D	8	3.8 E. of W. L. Lake ave.	3.0 N. of S. L. McCracken st.
McCracken Street From Lake ave to Driving Park.	S. W. cor. Lake ave.	McCracken st.	D	6	23.8 N. of S. L. McCracken st.	9.5 N. of S. L. McCracken st.
	S. E. cor. First st.	McCracken st.	D	4	23.8 N. of S. L. McCracken st.	1.9 W. of W. L. Lake ave. (S)
	S. E. cor. Third st.	McCracken st.	D	4	24.0 N. of S. L. McCracken st.	6.2 W. of E. L. First st.
Meigs Street. (Not Extended.)	S. E. cor. Third st.	*Third st.	D	4	18.1 W. of S. L. Third st.	6.1 W. of E. L. Third st.
	100 ft. E. of Park Entrance.	McCracken st.	D	4	24.3 N. of S. L. McCracken st.	8.0 N. of S. L. McCracken st.
	Opp. Driving Park Hotel.	Lat'l in McCracken st.	D	4	4.8 S. of N. L. McCracken st.	74.5 E. of lat'l nearly opp. Park Entr. Opp. centre of Hotel.
Meigs Street. (Not Extended.)	S. W. cor. East ave.	*East ave.	D	6	15.0 S. of N. L. East ave.	3.0 E. of W. L. Meigs st.
	N. W. cor. East ave.	Meigs st.	D	6	21.3 E. of W. L. Meigs st.	2.0 N. of S. L. East ave. (E)
	N. W. cor. Park ave.	Meigs st.	D	6	22.3 E. of W. L. Meigs st. (N)	2.5 S. of N. L. Park ave. (W)
Mill Street.	N. W. cor. Monroe ave.	Meigs st.	D	6	22.3 E. of W. L. Meigs st. (N)	2.2 N. of S. L. Park ave. (W)
	S. E. cor. Monroe ave.	*Monroe ave.	D	12	22.7 N. of S. L. Monroe ave. (E)	7.1 S. of N. L. Monroe ave. (W)
	S. W. cor. Monroe ave.	Meigs st.	D	8	21.6 E. of W. L. Meigs st. (N)	2.3 W. of E. L. Meigs st. (N)
Mill Street.	N. W. cor. Market st.	Mill st.	D	4	15.8 E. of W. L. Mill st.	7.1 N. of S. L. Monroe ave. (E)
	S. E. cor. Centre st.	*Centre st.	H	4	23.1 N. of S. L. Centre st. (E)	1.2 S. of N. L. Market st. (W)
	S. H. cor. Furnace st.	Mill st.	H	10	23.2 N. of W. L. Centre st. (E)	2.8 W. of W. L. Railroad Depot.
Monroe Avenue.	N. H. cor. Furnace st.	*Furnace st.	H	20	19.9 N. of W. L. Mill st.	3.6 W. of W. L. Railroad Depot.
	N. E. cor. Furnace st.	*Furnace st.	H	1	14.1 S. of N. L. Furnace st.	5.5 N. of S. L. Furnace st. (W)
	Opp. Pump House.	Hyd. Br. in Mill st.	H	1	3.5 Driveway before Hydrant.	4.9 E. of W. L. Mill st. (N)
Monroe Avenue.	N. H. cor. Furnace st.	*Furnace st.	H	20	11.3 N. of N. L. Greenwood's Building.	10.2 W. of E. L. Mill st.
	Opp. Pump House.	*Pump House	H	10	23.7 E. of W. L. Mill st.	29.2 W. of W. L. Greenwood's Building.
	S. E. cor. Pratt st.	*Pratt st.	H	4	18.8 N. of S. L. Pratt st.	36.6 N. of N. L. Greenwood's Building.
Monroe Avenue.	N. H. cor. Furnace st.	*Furnace st.	H	1	3.5 Driveway before Hydrant.	12.2 E. of E. L. Mill st.
	Opp. Pump House.	*Pump House	H	10	23.7 E. of W. L. Mill st.	
	S. E. cor. Pratt st.	*Pratt st.	H	4	18.8 N. of S. L. Pratt st.	

TABLE No. 2.- CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN	System.	Size. (in.)	CO-ORDINATES.
Monroe Avenue.					
Intersection Green st.		*Clinton st.	D	4	5.5 W. of E. L. Clinton st.
Intersection Groun st.		*Washington Place.	D	12	30.8 S. of N. E. Arsenal.
N. W. cor. Chestnut st.		*Chestnut st.	D	6	24.3 E. of W. L. Arsenal.
Opp. N. E. cor. Chestnut st.		Monroe ave.	D	6	24.3 E. of W. L. Monroe ave. (E)
N. E. cor. William st.		*William st.	D	12	21.3 N. of S. L. Monroe ave.
N. W. cor. Howell st.		*Howell st.	D	4	10.9 W. of E. L. William st.
N. W. cor. Manhattan st.		*Manhattan st.	D	6	92.8 N. of S. L. Howell st.
N. W. cor. Savannah st.		*Savannah st.	D	6	21.0 W. of E. L. Manhattan st.
N. W. cor. Marshall st.		*Marshall st.	D	4	32.3 W. of E. L. Savannah st.
N. W. cor. Union st.		*Marshall st.	D	12	22.1 N. of S. L. Marshall st.
N. W. cor. Union st.		Monroe ave.	D	12	21.8 E. of W. L. Monroe ave. (E)
N. W. cor. Union st.		*Union st.	D	6	18.4 E. of W. L. Union st.
N. W. cor. Alexander st.		Monroe ave.	D	12	21.5 N. of S. L. Monroe ave. (W)
N. W. cor. Alexander st.		*Alexander st.	D	12	40.7 E. of W. L. Monroe ave.
N. E. cor. Alexander st.		*Alexander st.	D	6	40.0 W. of E. L. Alexander st.
N. E. cor. Alexander st.		Monroe ave.	D	6	22.6 E. of E. L. Alexander st.
S. W. cor. Averill st.		Monroe ave.	D	12	21.2 N. of S. L. Monroe ave.
S. W. cor. Meigs st.		*Averill st.	D	4	19.5 E. of W. L. Averill st.
S. W. cor. Meigs st.		*Meigs st.	D	8	21.6 E. of W. L. Meigs st. (N)
S. E. cor. Meigs st.		Monroe ave.	D	6	25.2 N. of S. L. Meigs st. (E)
S. W. cor. Maple Place.		*Maple Pl.	D	12	22.7 E. of W. L. Monroe ave. (E)
S. W. cor. Rowley st.		*Rowley st.	D	4	19.7 E. of W. L. Rowley st.
S. W. cor. Edmunds st.		*Edmunds st.	D	4	18.9 E. of W. L. Edmunds st.
Moore Street.					
(Not Extended.)		Moore st.	D	4	27.3 W. of E. L. Moore st.
Mortimer Street.					
N. W. cor. Clinton st.		Mortimer st.	D	4	15.0 S. of N. L. Mortimer st.
N. W. cor. St. Paul st.		*St. Paul st.	D	6	23.2 E. of W. L. St. Paul st.
Mt. Hope Avenue.					
Opp. N. E. cor. Pinnacle ave.		*South ave.	D	16	39.5 W. of E. L. South ave.
From Erie Canal to Hickory St.		S. W. cor. South & Pinnacle avs.	D	6	16.4 N. of S. L. Pinnacle ave.
S. E. cor. Alexander st.		*Mt. Hope ave.	D	6	23.2 W. of E. L. Mt. Hope ave.
S. E. cor. Alexander st.		*Alexander st.	D	6	20.0 N. of S. L. Alexander st.
N. E. cor. Hamilton Place.		*Hamilton Place	D	6	22.5 S. of N. L. Hamilton Place
S. E. cor. Munger st.		*Munger st.	D	6	22.2 N. of S. L. Munger st.

* First ordinate is at right angles to Clinton st., and 2nd is at right angles to same.

TABLE No. 2—CONTINUED

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.		COORDINATES.
				(in.)	(in.)	
Mt. Hope Avenue. (Continued.)	N. E. cor. Hickory st.	Mt. Hope ave.	D	8	23.0 W. of E. L. Mt. Hope ave.	9.2 N. of N. L. Hickory st.
	S. E. cor. Hickory st.	*Hickory st.	D	6	21.0 N. of S. L. Hickory st.	6.4 W. of E. L. Mt. Hope ave. (N.)
Mumford Street.	S. E. cor. State st.	Mumford st.	D	6	22.2 N. of S. L. Mumford st.	9.2 W. of E. L. State st. (N.)
	S. E. cor. State st.	Mumford st.	H	8	24.3 N. of S. L. Mumford st.	6.5 W. of E. L. State st. (N.)
	S. W. cor. Front st.	*Front st.	D	6	24.2 E. of W. L. Front st.	7.2 N. of S. L. Mumford st. (W.)
	S. E. cor. Mt. Hope ave.	Munger st.	D	6	22.2 N. of S. L. Munger st.	3.8 W. of E. L. Mt. Hope ave. (S)
Munger Street. (Not Extended.)	S. W. cor. South ave.	Munger st.	D	6	20.5 N. of S. L. Munger st.	3.3 E. of W. L. South av.
	S. E. cor. South ave.	Munger st.	D	6	21.7 N. of S. L. Munger st.	4.7 W. of E. L. South ave.
New York Street. (Not Extended.)	S. W. cor. Frances st.	New York st.	D	4	18.0 N. of S. L. New York st.	7.1 E. of W. L. Frances st. (N.)
North Avenue. From North St. to Channing St.	Opp. N. W. cor. Webster st.	*North st.	D	12	25.0 W. of E. L. North st.	19.0 S. of N. L. Webster st.
	E. side North st. op. Webster st.	*North ave.	D	8	0.6 S. of S. E. Building intersection North st. and North ave.	7.2 W. of W. F. same building. †
North Street. From Main St. to Woodbury St.	N. W. cor. Wesley st.	*Wesley st.	D	4	12.4 E. of W. L. Wesley st.	4.1 S. of N. L. North ave.
	Opp. N. E. cor. Syracuse st.	*North ave.	D	8	22.0 S. of S. L. North ave.	3.7 W. of E. L. Syracuse st.
	S. W. cor. Draper st.	*Draper st.	D	4	16.5 N. of S. L. Draper st.	3.8 E. of W. L. North ave.
	S. E. cor. Bay st.	*Bay st.	D	6	17.3 N. of S. L. Bay st.	4.8 W. of E. L. North ave.
	Opp. N. E. cor. Bay st.	*North ave.	D	8	22.6 E. of W. L. North ave.	20.4 N. of N. L. Bay st.
	N. E. cor. Main st.	*North st.	D	12	26.6 W. of E. L. North st.	15.9 S. of N. L. Main st. (W.)
North Street. From Main St. to Woodbury St.	N. E. cor. Main st.	*North st.	H	8	27.8 W. of E. L. North st.	12.8 S. of N. L. Main st. (W.)
	S. W. cor. Franklin st.	*Franklin st.	D	6	22.5 N. of S. L. Franklin st.	6.3 E. of W. L. North st. (S)
	N. E. cor. Achilles st.	*Achilles st.	D	4	12.4 S. of N. L. Achilles st.	5.7 W. of E. L. North st. (N)
	S. W. cor. Amity st.	*Amity st.	D	4	19.3 N. of S. L. Amity st.	4.6 E. of W. L. North st. (N)
	S. E. cor. Grove st.	*Grove st.	D	4	19.3 N. of S. L. Grove st.	4.2 W. of E. L. North st.
	Opp. S. W. cor. Andrews st.	*North st.	D	12	24.5 W. of E. L. North st.	6.4 N. of S. L. Andrews st.
	S. W. cor. Andrews st.	*North st.	F.C	6	25.4 W. of E. L. North st.	9.6 N. of S. L. Andrews st.
	S. W. cor. Andrews st.	*Andrews st.	D	6	24.4 N. of S. L. Andrews st.	5.7 E. of W. L. North st. (N)
	S. W. cor. Andrews st.	*Andrews st.	D	6	23.0 W. of S. L. Andrews st.	3.9 E. of W. L. North st. (N)
	N. E. cor. University ave.	*University ave.	H	6	22.9 S. of N. L. University ave.	7.8 W. of E. L. North st. (N)
	N. E. cor. Clinton Pl.	*Clinton Pl.	D	6	23.2 S. of N. L. Clinton Pl.	7.5 E. of W. L. North st. (N)
	N. E. cor. Delavan st.	*Delavan st.	D	4	20.1 S. of N. L. Delavan st.	6.5 W. of E. L. North st. (N)
	N. W. cor. Atwater st.	*Atwater st.	D	6	22.6 S. of N. L. Atwater st.	7.7 E. of W. L. North st.
	S. E. cor. Tappan st.	*North st.	D	12	27.1 W. of E. L. North st.	3.0 N. of S. L. Tappan st.

† First ordinate parallel to North street, and second at right angles to same.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.
North Street. (Continued.)	N. E. cor. Tappan st.	*Tappan st.	D	6	16.2 S. of N. L. Tappan st.
	Intersection of Hudson st.	*Hudson st.	D	6	19.5 W. of E. L. Hudson st.
	N. E. cor. Weld st.	*Weld st.	D	4	19.8 S. of N. L. North st.
	N. E. cor. Kirk st.	*Kirk st.	D	6	20.0 S. of N. L. Kirk st.
	N. E. cor. Ontario st.	*Ontario st.	D	12	27.9 W. of E. L. North st.
	N. E. cor. Ontario st.	*Ontario st.	D	8	19.9 S. of N. L. Ontario st.
	N. E. cor. Tyler st.	*Tyler st.	D	4	22.8 S. of N. L. Tyler st.
	S. W. cor. Webster st.	*Webster st.	D	8	24.3 N. of S. L. Webster st.
	E. side Opp. Webster st.	*North ave.	D	8	0.6 S. of S. F. Building intersection { North st and North ave.
	Opp. N. W. cor. Webster st.	*North st.	D	12	25.0 W. of E. L. North st.
	S. E. cor. Concord ave.	*Concord ave.	D	4	17.8 N. of S. L. Concord ave.
	S. W. cor. Woodbury st.	*Woodbury st.	D	4	16.0 N. of S. L. Woodbury st.
Oak Street.	N. W. cor. Allen st.	*Allen st.	D	8	21.7 S. of N. L. Allen st.
	N. W. cor. Allen st.	*Oak st.	D	8	21.5 E. of W. L. Oak st.
	N. W. cor. Allen st.	*Oak st.	H	8	23.0 E. of W. L. Oak st.
	S. W. cor. Brown st.	*Brown st.	D	6	21.5 E. of W. L. Oak st.
	N. E. cor. Brown st.	*Brown st.	D	4	39.2 N. of S. L. Brown st.
	S. E. cor. Jay st.	*Jay st.	D	6	24.0 N. of S. L. Jay st.
	S. E. cor. Smith st.	*Oak st.	D	6	35.8 W. of E. L. Oak st. (S.)
	N. W. cor. Smith st.	*Smith st.	D	16	8.8 S. of N. L. Smith st.
	N. W. cor. Smith st.	*Oak st.	D	6	36.7 W. of E. L. Oak st. (N.)
	S. W. cor. Lyell st.	*Oak st.	D	4	24.0 E. of W. L. Oak st.
Oakland Street. (Not Extended.)	N. E. cor. South ave.	*South ave.	D	16	27.9 W. of E. L. South ave.
	N. E. cor. South ave.	*Oakland st.	D	8	22.8 S. of N. L. Oakland st.
Olean Street. (Not Extended.)	S. of Hunter st.	*Olean st.	D	6	19.3 E. of W. L. Olean st.
	E. side of Olean st.	*Hunter st.	D	16	38.4 S. of S. L. Hunter st.
Ontario Street.	N. E. cor. North st.	*North st.	D	12	27.9 W. of E. L. North st.
	N. E. cor. North st.	*Ontario st.	D	8	19.9 S. of N. L. Ontario st.
	N. W. cor. Scot st.	*Ontario st.	D	4	19.8 S. of N. L. Ontario st.
Orange Street. (Not Extended.)	S. E. cor. Grape st.	*Orange st.	D	4	24.0 N. of S. L. Orange st.
	S. W. cor. Grape st.	*Orange st.	D	6	22.0 N. of S. L. Orange st.

*First ordinate is parallel to North street, and second is at right angles to same.

TABLE No. 2—CONTINUED.

NAME OF STREET	LOCATION OF GATE.	MAIN WHEREIN.	Size.		System.	CO-ORDINATES.	
			(in.)	(sq. ft.)			
Oregon Street.	N. E. cor. Atwater st.	Oregon st.	4	24.9 W. of E. L. Oregon st.	D	4.3 S. of N. L. Atwater st.	
Park Street. (Not Extended.)	S. E. cor. Prospect st.	Park st.	4	11.8 N. of S. L. Park st.	D	3.1 W. of E. L. Prospect st. (S.)	
Park Avenue.	S. W. cor. Goodman st.	Park ave.	4	18.8 N. of S. L. Park ave.	D	4.0 E. of W. L. Goodman st. (N.)	
	N. E. cor. Arnold Park	*Arnold Pk.	4	2.5 W. of lamp post N. E. cor.	D	5.5 S. of N. L. Park ave. (W.)	
	N. W. cor. Meigs st.	*Meigs st.	6	22.3 E. of W. L. Meigs st. (N.)	D	3.2 S. of N. L. Park ave. (W.)	
	S. W. cor. Meigs st.	*Meigs st.	6	22.3 E. of W. L. Meigs st. (N.)	D	3.2 W. of S. L. Park ave. (W.)	
	S. E. cor. Alexander st.	Park ave.	4	15.8 N. of S. L. Park ave.	D	1.8 E. of E. L. Alexander st.	
	S. E. cor. Alexander st.	*Alexander st.	6	3.2 W. of E. L. Alexander st.	D	5.1 N. of S. L. Park ave.	
Pearl Street.	S. W. cor. Griffith st.	*Griffith st.	4	18.5 N. of S. L. Griffith st.	D	11.3 E. of W. L. Pearl st.	
From Griffith St. to Alexander St.	N. W. cor. Alexander st.	Pearl st.	4	22.8 E. of W. L. Pearl st.	D	4.8 S. of N. L. Alexander st. (W.)	
	S. W. cor. Alexander st.	Pearl st.	4	22.8 E. of W. L. Pearl st.	D	3.9 N. of S. L. Alexander st.	
Penn Street.	S. W. cor. Frances st.	Penn st.	4	19.3 N. of S. L. Penn st.	D	5.5 E. of W. L. Frances st.	
(Not Extended.)	S. W. cor. Lake ave.	Perkins st.	6	6.4 N. of S. L. Perkins st.	D	8.0 E. of W. L. Lake ave.	
Perkins Street.	S. W. cor. Lake ave.	*Lake ave.	8	3.0 E. of W. L. Lake ave.	D	2.2 N. of S. L. Perkins st.	
(Not Extended.)	N. W. cor. Lake ave.	*Lake ave.	8	3.0 E. of W. L. Lake ave.	D	7.2 S. of N. L. Perkins st.	
	N. W. cor. Lake ave.	Perkins st.	4	24.0 S. of N. L. Perkins st.	D	1.6 W. of W. L. Lake ave. (N.)	
Phelps Avenue.	N. W. cor. Lake ave.	*Lake ave.	8	2.5 E. of W. L. Lake ave.	D	3.1 S. of N. L. Phelps ave.	
	N. W. cor. Lake ave.	Phelps ave.	4	40.0 S. of N. L. Phelps ave.	D	3.1 W. of W. L. Lake ave. (S.)	
	N. E. cor. Bucks ave.	Phelps ave.	4	40.5 S. of N. L. Phelps ave.	D	4.8 W. of E. L. Bucks ave.	
Pindell Alley.	S. E. cor. Allen st.	Pindell Alley	4	9.9 E. of W. L. Pindell Alley.	H	3.8 N. of S. L. Allen st. (W.)	
Pinnacle Avenue.	S. W. cor. South ave.	*Mt. Hope ave.	6	16.1 N. of S. L. Pinnacle ave.	D	5.5 E. of W. L. South ave.	
From South Ave. to Alexander St.	Opp. N. E. cor. South ave.	*South ave.	16	33.5 W. of E. L. South ave.	D	20.8 N. of N. L. Pinnacle ave.	
	N. E. cor. South ave.	Pinnacle ave.	6	17.0 E. of S. L. Pinnacle ave.	D	5.7 W. of E. L. South ave.	
	N. W. cor. Alexander st.	Pinnacle ave.	6	21.0 E. of S. L. Pinnacle ave.	D	4.5 S. of N. L. Alexander st. (W.)	
	S. E. cor. Alexander st.	*Alexander st.	12	20.5 N. of S. L. Alexander st. (W.)	D	2.2 W. of E. L. Pinnacle ave. (N.)	
	S. W. cor. Alexander st.	Pinnacle ave.	6	21.4 E. of W. L. Pinnacle ave.	D	5.8 N. of S. L. Alexander st. (W.)	
Pitt Street. (Not Extended.)	S. E. cor. Marietta st.	Pitt st.	2½	19.5 W. of E. L. Pitt st.	D	5.4 N. of S. L. Marietta st.	

TABLE No. 2—(CONTINUED).

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	ft. (in.)	CO-ORDINATES.	
Platt Street.	S. E. cor. Warehouse st.	Platt st.	D	6	18.9 N. of S. L. Platt st.	7.2 W. of E. L. Warehouse st. (N.)
S. W. cor. Kent st.	Platt st.	D	6	23.2 N. of S. L. Platt st. (W.)	4.0 E. of W. L. Kent st. (S.)	
S. W. cor. Kent st.	Platt st.	H	6	21.3 N. of S. L. Platt st. (W.)	6.0 E. of W. L. Kent st. (S.)	
S. E. cor. Kent st.	*Kent st.	D	4	23.4 N. of S. L. Kent st. (N.)	7.1 N. of S. L. Platt st. (W.)	
N. E. cor. Kent st.	*Kent st.	D	4	23.0 W. of E. L. Kent st. (N.)	6.9 S. of N. L. Platt st. (E.)	
N. E. cor. Jones st.	*Jones st.	D	4	21.5 W. of E. L. Jones st.	12.5 S. of N. L. Platt st.	
S. W. cor. Frank st.	Platt st.	D	6	22.6 N. of S. L. Platt st.	5.2 E. of W. L. Frank st.	
N. W. cor. Frank st.	*Frank st.	D	6	22.0 E. of W. L. Frank st.	9.2 S. of N. L. Platt st.	
S. W. cor. State st.	Platt st.	H	6	24.0 N. of S. L. Platt st.	7.2 S. of W. L. State st.	
S. E. cor. State st.	Platt st.	D	6	22.3 N. of S. L. Platt st.	11.8 E. of W. L. State st.	
S. E. cor. Mill st.	Platt st.	H	4	21.1 N. of S. L. Platt st. (E.)	9.0 W. of E. L. State st. (S.)	
				4	18.8 N. of S. L. Platt st.	12.2 E. of E. L. Mill st.
Pleasant Street.	S. W. cor. Clinton st.	Pleasant st.	D	4	11.7 N. of S. L. Pleasant st.	4.6 E. of W. L. Clinton st.
Plymouth Ave.	S. W. cor. Main st.	Plymouth ave.	H	4	23.2 E. of W. L. Plymouth ave.	11.0 N. of S. L. Main st.
N. W. cor. Main st.	Plymouth ave.	D	4	21.8 E. of W. L. Plymouth ave.	8.0 N. of S. L. Main st.	
N. W. cor. Spring st.	Plymouth ave.	D	2	20.6 E. of E. F. Building N. W. cor.	4.9 S. of N. L. Spring st. (W.)	
N. E. cor. Spring st.	*Spring st.	D	8	19.3 S. of N. L. Spring st. (E.)	9.0 W. of E. L. Plymouth ave. (S.)	
N. W. cor. Spring st.	*Spring st.	D	12	20.0 S. of N. L. Spring st. (W.)	7.5 E. of W. L. Plymouth ave. (S.)	
N. W. cor. Spring st.	Plymouth ave.	D	12	20.7 E. of W. L. Spring st. (W.)	7.0 N. of S. L. Spring st. (W.)	
N. W. cor. Troup st.	Plymouth ave.	D	12	21.2 E. of W. L. Plymouth ave. (N.)	4.9 S. of N. L. Troup st. (W.)	
S. E. cor. Troup st.	*Troup st.	D	6	21.0 N. of S. L. Troup st.	7.6 W. of E. L. Plymouth ave. (S.)	
S. W. cor. Troup st.	*Troup st.	D	6	21.4 N. of S. L. Troup st. (E.)	3.2 W. of W. L. Plymouth ave. (S.)	
S. W. cor. Atkinson st.	*Atkinson st.	D	6	17.5 N. of S. L. Atkinson st.	7.1 E. of W. L. Plymouth ave. (S.)	
N. W. cor. Atkinson st.	Plymouth ave.	D	12	21.7 E. of W. L. Plymouth ave. (S.)	3.1 N. of S. L. Atkinson st.	
N. W. cor. Adams st.	*Adams st.	D	6	21.3 S. of N. L. Adams st.	2.8 E. of W. L. Plymouth ave. (S.)	
N. E. cor. Adams st.	*Adams st.	D	6	21.3 S. of N. L. Adams st.	7.2 W. of E. L. Plymouth ave. (S.)	
S. W. cor. Tremont st.	*Tremont st.	D	12	20.9 N. of S. L. Tremont st.	6.9 E. of W. L. Plymouth ave. (S.)	
S. W. cor. Tremont st.	*Tremont st.	D	8	22.1 E. of W. L. Tremont st.	0.2 N. of S. L. Tremont st.	
S. E. cor. Caldonia sq.	*Edinburgh st.	D	4	19.4 W. of W. L. Edinburgh st. (E.)	5.2 W. of E. L. Caldonia sq.	
S. W. cor. Caldonia sq.	*Edinburgh st.	D	8	19.1 W. of W. L. Plymouth ave. (N.)	3.2 N. of S. L. Edinburgh st.	
S. W. cor. Glasgow st.	*Glasgow st.	D	6	20.8 W. of E. L. Glasgow st.	4.8 E. of W. L. Caldonia sq.	
Intersection of Greig st.	*Greig st.	D	6	20.9 W. of E. L. Greig st.	3.5 N. of N. L. Alley to E.	
N. W. cor. Caldonia ave.	*Caldonia ave.	D	6	24.5 E. of W. L. Plymouth ave.	1.0 S. of N. L. Alley to W.	
	*Caldonia ave.	D	6	24.1 S. of N. L. Chertisa st. (E.)	6.3 E. of W. L. Plymouth ave. (N.)	

*First ordinate is parallel to Edinburgh street, and second is at right angles to same.

TABLE No. 2—(CONTINUED).

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.		COORDINATES.
				(in.)	(in.)	
Prince Street.						
S. E. cor. Main st.	Prince st.	Prince st.	D	6	22.4 W. of E. L. Prince st.	8.0 N. of S. L. Main st. (E.)
S. E. cor. College ave.	*College ave.	*College ave.	D	4	20.5 N. of S. L. College ave.	16.3 W. of E. L. Prince st. (S.)
N. W. cor. University ave.	*University ave.	*University ave.	D	4	24.0 S. of N. L. University ave.	5.2 E. of W. L. Prince st.
S. W. cor. University ave.	Prince st.	Prince st.	D	6	21.2 E. of W. L. Prince st.	5.8 N. of S. L. University ave.
N. W. East ave.	Prince st.	Prince st.	D	6	21.2 E. of W. L. Prince st.	4.8 S. of N. L. East ave.
Prospect Street.						
Opp. S. E. cor. West ave.	*West ave.	*West ave.	D	8	25.8 S. of N. L. West ave.	16.1 W. of E. L. Prospect st.
From West ave. to Clifton St.	Prospect st.	Prospect st.	D	8	18.3 W. of E. L. Prospect st.	7.6 N. of S. L. West ave. (W.)
S. E. cor. Park st.	*Park st.	*Park st.	D	4	11.8 N. of S. L. Park st.	3.1 W. of E. L. Prospect st. (S.)
S. E. cor. Troup st.	*Troup st.	*Troup st.	D	6	21.3 N. of S. L. Troup st.	2.5 W. of E. L. Prospect st. (S.)
S. W. cor. Troup st.	*Troup st.	*Troup st.	D	4	20.7 N. of S. L. Troup st.	2.8 E. of W. L. Prospect st. (N.)
S. W. cor. Clifton st.	*Clifton st.	*Clifton st.	D	4	19.3 N. of S. L. Clifton st.	2.0 E. of W. L. Prospect st. (S.)
Reynolds Street.						
S. E. cor. West ave.	Reynolds st.	Reynolds st.	D	6	21.0 W. of E. L. Reynolds st.	7.3 N. of S. L. West ave. (E.)
N. E. cor. Hunter st.	Reynolds st.	Reynolds st.	D	8	18.9 W. of E. L. Reynolds st.	4.0 S. of N. L. Hunter st. (W.)
S. E. cor. Hunter st.	*Hunter st.	*Hunter st.	D	16	19.1 N. of S. L. Hunter st.	4.6 W. of E. L. Reynolds st.
S. E. cor. Hunter st.	Reynolds st.	Reynolds st.	D	8	19.9 W. of E. L. Reynolds st.	3.5 N. of S. L. Hunter st. (E.)
River Street.						
N. W. cor. St. Paul st.	River st.	River st.	D	4	23.1 S. of N. L. River st.	11.4 E. of W. L. St. Paul st. (S.)
Rome Street.						
S. W. cor. Alwater st.	Rome st.	Rome st.	D	4	23.8 E. of W. L. Rome st.	4.5 N. of S. L. Alwater st.
Romeyn Street.						
N. E. cor. Grape st.	Romeyn st.	Romeyn st.	D	6	20.8 S. of N. L. Romeyn st.	5.5 W. of E. L. Grape st.
Rowe Street.						
S. W. cor. Lake ave.	Rowe st.	Rowe st.	D	8	44.5 S. of N. L. Rowe st.	2.6 E. of W. L. Lake ave. (N.)
Rowley Street.						
N. W. cor. Monroe ave.	Rowley st.	Rowley st.	D	4	19.7 E. of W. L. Rowley st.	4.2 S. of N. L. Monroe ave.
to Harvard St.						
Sanford Street.						
S. W. cor. South ave.	Sanford st.	Sanford st.	D	6	13.5 N. of N. F. Building S. W. cor.	8.0 E. of W. L. South ave.
(Not Extended.)						
Saratoga Avenue.						
Opp. N. W. cor. Lyell st.	*Lyell st.	*Lyell st.	D	8	26.6 N. of S. L. Lyell st.	16.8 W. of W. L. Saratoga ave.
In cor. Lyell and Spencer sts.	*Spencer st.	*Spencer st.	D	4	21.4 N. of S. L. Spencer st.	4.1 W. of E. L. Saratoga ave.
From Lyell St. to Lorimer St.	Saratoga ave.	Saratoga ave.	D	6	24.5 W. of E. L. Saratoga ave.	27.1 S. of N. L. Spencer st.
N. E. cor. Ambrose st.	*Ambrose st.	*Ambrose st.	D	6	36.8 N. of S. L. Ambrose st.	4.1 W. of E. L. Saratoga ave.
S. E. cor. Jones ave.	*Jones ave.	*Jones ave.	D	4	33.0 N. of S. L. Jones ave.	4.1 W. of E. L. Saratoga ave. (S.)
S. E. cor. Lorimer st.	Saratoga ave.	Saratoga ave.	D	6	23.2 W. of E. L. Saratoga ave.	5.8 N. of S. L. Lorimer st.
N. W. cor. Lorimer st.	*Lorimer st.	*Lorimer st.	D	8	22.3 S. of N. L. Lorimer st.	3.8 E. of W. L. Saratoga ave. (N.)

TABLE No. 2—CONTINUED.

NAME OF STREET	LOCATION OF GATE.	MAIN WHEREIN.	DISTANCE		CO-ORDINATES.
			IN FEET.	IN CHAINS.	
Saratoga Ave. (Continued.)	N. E. cor. Lorimer st.	*Lorimer st.	8	22.8 S. of N. L.	6.4 W. of E. L. Saratoga ave. (N.)
	N. E. cor. Lorimer st.	Saratoga ave.	6	24.0 W. of E. L.	5.3 S. of N. L. Lorimer st.
	S. W. cor. Court st.	Savannah st.	6	18.0 E. of W. L.	3.3 N. of S. L. Court st.
	N. E. cor. Monroe ave.	Savannah st.	4	32.3 W. of E. L.	2.8 S. of N. L. Monroe ave.
Saxton St. (Not Extended.)	S. E. cor. Lyell st.	Saxton st.	4	25.8 E. of W. L.	6.7 N. of S. L. Lyell st.
	Cor. of Spring st.	School Alley	6	10.0 E. of W. L.	5.9 N. of S. L. Spring st. (E.)
Scio St. From East Ave. to Ontario St.	N. W. cor. East ave.	Scio st.	6	18.8 E. of W. L.	4.1 S. of N. L. East ave.
	N. E. cor. Charlotte st.	*Charlotte st.	4	19.9 S. of N. L.	3.7 W. of E. L. Scio st. (S.)
	S. W. cor. Main st.	Scio st.	6	20.7 E. of W. L.	12.3 N. of S. L. Main st.
	N. E. cor. Main st.	Scio st.	10	20.6 W. of E. L.	12.6 S. of N. L. Main st. (E.)
	N. W. cor. University ave.	*University ave.	6	23.0 S. of N. L.	7.5 E. of W. L. Scio st.
	N. E. cor. University ave.	*University ave.	4	22.5 S. of N. L.	2.0 W. of E. L. Scio st.
	N. W. cor. Delavan st.	*Delavan st.	4	20.6 S. of N. L.	6.0 E. of W. L. Scio st.
	N. E. cor. Joselyn Park	*Joselyn Park	4	18.0 S. of N. L.	2.5 W. of E. L. Scio st.
	N. W. cor. Tappan st.	*Tappan st.	4	19.6 S. of N. L.	2.3 E. of W. L. Scio st.
	N. E. cor. Tappan st.	*Tappan st.	4	18.1 S. of N. L.	2.2 E. of W. L. Scio st.
	N. W. cor. Wadd st.	*Wadd st.	4	18.0 S. of N. L.	4.1 E. of W. L. Scio st.
	N. E. cor. Ontario st.	*Ontario st.	4	19.8 S. of N. L.	1.0 E. of W. L. Scio st. (N.)
Scott Alley. From Main St. to Spring St.	S. E. cor. Main st.	Scott Alley	16	4.8 W. of E. L.	8.9 N. of S. L. Main st.
	N. E. cor. Spring st.	Scott Alley	16	3.2 W. of E. L.	2.3 S. of N. L. Spring st.
	S. E. cor. Spring st.	Scott Alley	6	7.3 W. of E. L.	3.8 N. of S. L. Spring st.
Selden St. (Not Extended.)	N. E. cor. Gibbs st.	Selden st.	4	12.1 S. of N. L.	7.0 W. of E. L. Gibbs st.
	N. E. cor. Ward st.	Shamrock st.	4	12.5 W. of E. L.	4.8 S. of N. L. Ward st.
Smith St. From State St. to Grape St.	S. E. cor. A in P'ce & State st.	*State st.	16	39.5 W. of E. L.	5.4 N. of N. F. Building S. E. cor.
	N. W. cor. State st.	Smith st.	16	21.8 S. of N. L.	11.1 E. of W. L. State st. (S.)
	Hyd. Br. in Smith st.	Hyd. Br. in Smith st.	4	5.6 Directly before Hydrant	6.1 N. of S. L. Smith st.
	S. W. cor. Frank st.	*Frank st.	6	32.2 E. of W. L.	5.2 S. of N. L. Smith st.
	N. W. cor. Frank st.	*Frank st.	6	32.0 E. of W. L.	3.6 W. of E. L. Jones st. (N.)
	N. E. cor. Jones st.	Smith st.	16	22.2 S. of N. L.	

TABLE No 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.	(In.)	COORDINATES.
Smith Street. (Continued.)	N. E. cor. Jones st.	*Jones st.	D	4	19.7 W. of E. L. Jones st.	6.1 S. of N. L. Smith st.
	S. W. cor. Bolivar st.	*Bolivar st.	D	6	22.1 E. of W. L. Bolivar st.	5.2 N. of S. L. Smith st.
	N. W. cor. Bolivar st.	*Bolivar st.	D	6	22.2 E. of W. L. Bolivar st.	5.8 S. of N. L. Smith st.
	Hyd't near Rail Road	Hyd't Br in Smith st.	D	4	5.8 Directly before Hydrant.	
	S. W. cor. Kent st.	*Kent st.	D	4	14.5 E. of W. L. Kent st.	5.8 S. of N. L. Smith st.
	S. W. cor. Oak st.	*Oak st.	D	6	36.8 W. of E. L. Oak st. (S.)	4.0 N. of S. L. Smith st.
	N. W. cor. Oak st.	*Oak st.	D	6	36.7 W. of E. L. Oak st. (N.)	4.3 S. of N. L. Smith st.
	N. W. cor. Oak st.	*Oak st.	D	16	8.8 S. of N. L. Smith st.	5.4 E. of W. L. Oak st.
	N. E. cor. Magné st.	*Magné st.	D	16	7.6 S. of N. L. Smith st.	4.7 W. of E. L. Magné st.
	N. W. cor. Magné st.	*Magné st.	D	6	35.0 W. of E. L. Magné st. (S.)	2.8 S. of N. L. Smith st. (W.)
	S. W. cor. Grape st.	*Grape st.	D	8	33.5 E. of W. L. Grape st.	5.8 N. of S. L. Smith st. (W.)
	N. W. cor. Grape st.	*Grape st.	D	6	21.8 S. of N. L. Smith st.	4.5 E. of W. L. Grape st. (S.)
Sophia Street.	N. W. Main st.	Sophia st.	D	6	18.0 E. of W. L. Sophia st.	13.3 S. of N. L. Main st.
	N. E. cor. Allen st.	*Allen st.	D	8	22.9 S. of N. L. Allen st. (E.)	5.6 W. of E. L. Sophia st. (S.)
	N. W. cor. Allen st.	Sophia st.	D	6	24.3 E. of E. L. Center sq.	5.7 S. of S. L. Centre Sq.
South Street. From Court St. to Jackson St.	S. W. cor. Court st.	South st.	D	12	22.1 E. of W. L. South st.	11.0 N. of S. L. Court st.
	S. W. cor. Court st.	South st.	F C	6	23.1 E. of W. L. South st.	6.2 N. of S. L. Court st.
	Opp. Arsenal Front	South st.	D	4	22.0 E. of W. L. South st.	3.4 N. of N. F. Arsenal.
South Avenue.	Opp. N. E. cor. Pinnacle ave.	South ave.	D	16	39.5 W. of E. L. South ave.	20.8 N. of N. L. Pinnacle ave.
	S. E. cor. Pinnacle ave.	*Pinnacle ave.	D	6	17.0 N. of S. L. Pinnacle ave.	5.7 W. of E. L. South ave.
	S. W. cor. Pinnacle ave.	*Mt. Hope ave.	D	6	16.4 N. of S. L. Pinnacle ave.	5.5 E. of W. L. South ave.
	N. W. cor. Comfort st.	Hyd't Br in South av.	D	6	8.5 Directly before Hydrant.	
	S. W. cor. Comfort st.	*Comfort st.	D	4	21.1 N. of S. L. Comfort st.	4.0 E. of W. L. South ave. (S.)
	S. E. cor. Comfort st.	*Comfort st.	D	4	21.8 N. of S. L. Comfort st.	5.0 W. of E. L. South ave. (S.)
	N. E. cor. Alexander st.	Hyd't Br. in South av.	D	6	6.1 Directly before Hydrant.	
	N. W. cor. Alexander st.	South ave.	D	16	25.0 E. of W. L. South ave.	3.6 S. of N. L. Alexander st.
	S. W. cor. Alexander st.	*Alexander st.	D	6	19.8 N. of S. L. Alexander st.	6.7 E. of W. L. South ave.
	S. E. cor. Alexander st.	*Alexander st.	D	12	19.7 N. of S. L. Alexander st.	6.7 W. of E. L. South ave.
	N. W. cor. Hamilton Pl.	*Hamilton Pl.	D	6	32.0 S. of N. L. Hamilton Pl.	4.3 E. of W. L. South ave.
	N. E. cor. Hamilton Pl.	*Hamilton Pl.	D	6	31.9 S. of N. L. Hamilton Pl.	4.8 W. of E. L. South ave.
	S. W. cor. Mungier st.	*Mungier st.	D	6	30.5 S. of S. L. Mungier st.	3.3 E. of W. L. South ave.
	S. E. cor. Mungier st.	*Mungier st.	D	6	31.7 N. of S. L. Mungier st.	4.1 W. of E. L. South ave.
	N. W. cor. Hickory st.	South ave.	D	16	32.3 E. of W. L. Hickory st.	3.0 S. of N. L. Hickory st.
	N. W. cor. Hickory st.	*Hickory st.	D	6	21.7 N. of S. L. Hickory st.	7.2 E. of W. L. South ave.
	N. W. cor. Gregory st.	*Gregory st.	D	6	20.2 S. of N. L. Gregory st.	6.3 E. of W. L. South ave.

TABLE No. 2—CONTINUED

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.
South Avenue.					
(Continued.)					
N. E. cor. Gregory st.		*Gregory st.	D	6	20.2 S. of S. F. Building N. E. cor.
Opp. Grand st.		Hyd't Br. in South av.	D	6	4.6 Directly before hydrant.
S. W. cor. Sanford st.		*Sanford st.	D	6	13.5 N. of N. F. Building S. W. cor.
Near N. E. cor. Caroline st.		Hyd't Br. in South av.	D	6	3.4 Directly before hydrant.
N. E. cor. Caroline st.		*Caroline st.	D	16	20.8 W. of E. L. Caroline st.
S. E. cor. Caroline st.		*Caroline st.	D	12	20.8 W. of E. L. Caroline st.
S. W. cor. Cypress st.		*Cypress st.	D	6	21.7 N. of S. L. Cypress st.
S. W. cor. Linden st.		*Linden st.	D	6	10.3 N. of S. L. Linden st.
Hyd't bet. Lind'n & Oakl'd sts.		Hyd't Br. in South av.	D	4	4.1 Directly before hydrant.
N. E. cor. Oakland st.		*Oakland st.	D	16	25.9 W. of E. L. South av.
N. E. cor. Oakland st.		*Oakland st.	D	8	22.8 S. of N. L. Oakland st.
Hyd't South of Oakland st.		Hyd't Br. in South av.	D	4	8.8 Directly before hydrant.
Spencer Street.					
Intersection Lyell st.		*Sanitoga av.	D	6	24.5 W. of E. L. Sanitoga av.
Intersection Lyell st.		Spencer st.	D	4	21.4 N. of S. L. Spencer st.
N. W. cor. Frank st.		*Frank st.	D	6	21.8 E. of W. L. Frank st.
S. W. cor. Lake ave.		Spencer st.	D	4	22.0 N. of S. L. Spencer st.
S. E. cor. Lake ave.		Spencer st.	D	3	21.0 N. of S. L. Spencer st.
Spring Street.					
N. W. cor. Exchange st.		*Exchange st.	D	4	28.4 E. of W. L. Exchange st.
N. W. cor. Exchange st.		*Spring st.	D	8	19.4 S. of N. L. Spring st.
N. E. cor. Fitzhugh st.		*Fitzhugh st.	D	2	18.4 W. of E. L. Fitzhugh st.
Cor. School Alley.		*School Alley	D	6	10.0 E. of W. L. School Alley
N. E. cor. Plymouth ave.		*Spring st.	D	3	19.2 S. of N. L. Spring st.
N. W. cor. Plymouth ave.		*Plymouth ave.	D	3	20.2 E. of F. Building N. W. cor.
N. W. cor. Plymouth ave.		*Plymouth ave.	D	12	21.3 E. of W. L. Plymouth ave.
N. W. cor. Plymouth ave.		*Spring st.	D	12	20.0 S. of N. L. Spring st.
N. W. cor. Plymouth ave.		Hyd't Br. in Spring st.	D	4	3.3 Directly before hydrant.
S. E. cor. Scott Alley		*Scott Alley	D	16	3.2 W. of E. L. Scott Alley
S. E. cor. Scott Alley		*Scott Alley	D	6	7.3 W. of E. L. Scott Alley
N. W. cor. Washington st.		*Washington st.	D	4	28.0 E. of W. L. Washington st.
S. W. cor. Washington st.		*Washington st.	D	4	25.1 E. of W. L. Washington st.
N. E. cor. Livingston Pl.		*Livingston Pl.	D	4	1.0 E. of W. L. Livingston Pl.
N. E. cor. Childs' Alley.		Hyd't Br. in Spring st.	D	4	4.0 Directly before hydrant.
N. E. cor. Caladonia ave.		*Spring st.	D	16	17.5 S. of N. L. Spring st.
N. E. cor. Caladonia ave.		*Caladonia ave.	D	6	25.0 W. of E. L. Caladonia ave.
N. W. cor. Caladonia ave.		*Spring st.	D	4	14.2 S. of N. L. Spring st.
N. E. cor. Ford st.		*Spring st.	D	4	27.2 N. of S. L. Spring st.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	Size. (in.)	COORDINATES.
N. W. cor. Main st.	* Main st.	* Main st.	16	45.2 S. of N. L. Main st.
N. W. cor. Main st.	* Main st.	* Main st.	20	45.2 S. of N. L. Main st.
N. E. cor. Main st.	State st.	State st.	16	32.5 W. of E. L. State st.
N. E. cor. Main st.	State st.	State st.	16	32.5 W. of E. L. State st.
S. E. cor. Exchange Place.	* Exchange Place.	* Exchange Place.	D	20.4 W. of E. L. State st.
S. E. cor. Exchange Place.	* Exchange Place.	* Exchange Place.	D	20.4 W. of E. L. State st.
N. E. cor. Exchange Place.	* Exchange Place.	* Exchange Place.	D	12.7 N. of S. L. Exchange Place.
N. E. cor. Exchange Place.	* Exchange Place.	* Exchange Place.	D	12.7 N. of S. L. Exchange Place.
N. E. cor. Market st.	* Market st.	* Market st.	H	16.8 S. of N. L. Market st.
N. E. cor. Market st.	* Market st.	* Market st.	H	16.8 S. of N. L. Market st.
Before No. 16 State st.	State st.	State st.	D	48.3 W. of E. L. State st.
Before No. 16 State st.	State st.	State st.	F	48.3 W. of E. L. State st.
Before No. 79 State st.	Hydt. Br. in State st.	Hydt. Br. in State st.	H	4 1.6 Directly before Hydrant.
S. E. cor. Mumfords st.	* Mumfords st.	* Mumfords st.	D	22.2 N. of S. L. Mumfords st.
S. E. cor. Mumfords st.	* Mumfords st.	* Mumfords st.	D	22.2 N. of S. L. Mumfords st.
S. E. cor. Mumfords st.	* Mumfords st.	* Mumfords st.	H	24.3 N. of S. L. Mumfords st.
S. E. cor. Mumfords st.	* Mumfords st.	* Mumfords st.	H	24.3 N. of S. L. Mumfords st.
Opp. S. W. cor. Allen st.	State st.	State st.	H	25.8 W. of E. L. State st.
N. W. cor. Allen st.	* Allen st.	* Allen st.	H	25.8 S. of N. L. Allen st.
N. W. cor. Allen st.	* Allen st.	* Allen st.	H	25.8 S. of N. L. Allen st.
Bd. Allen st. and R. R. ave.	State st.	State st.	D	30.0 W. of E. L. State st.
S. E. cor. R. R. ave.	Hydt. Br. in State st.	Hydt. Br. in State st.	H	5.0 Directly before Hydrant.
S. W. cor. Centre st.	* Centre st.	* Centre st.	H	20.4 N. of S. L. Centre st.
S. W. cor. Centre st.	* Centre st.	* Centre st.	H	20.4 N. of S. L. Centre st.
S. E. cor. Centre st.	* Centre st.	* Centre st.	H	20.4 N. of S. L. Centre st.
S. E. cor. Centre st.	* Centre st.	* Centre st.	H	20.4 N. of S. L. Centre st.
Before No. 172 State st.	Hydt. Br. in State st.	Hydt. Br. in State st.	F	20.7 W. of E. L. State st.
S. E. cor. Farmace st.	State st.	State st.	H	20.0 Directly before Hydrant.
S. E. cor. Farmace st.	State st.	State st.	H	20.0 Directly before Hydrant.
S. E. cor. Farmace st.	State st.	State st.	H	20.0 Directly before Hydrant.
S. E. cor. Farmace st.	State st.	State st.	H	20.0 Directly before Hydrant.
S. W. cor. Platt st.	* Platt st.	* Platt st.	D	23.3 N. of S. L. Platt st.
S. W. cor. Platt st.	* Platt st.	* Platt st.	D	23.3 N. of S. L. Platt st.
S. E. cor. Brown st.	State st.	State st.	H	24.0 N. of S. L. State st.
S. E. cor. Brown st.	State st.	State st.	H	24.0 N. of S. L. State st.
N. W. cor. Brown st.	* Brown st.	* Brown st.	D	23.9 W. of E. L. State st.
N. W. cor. Brown st.	* Brown st.	* Brown st.	D	23.9 W. of E. L. State st.
N. E. cor. Brown st.	State st.	State st.	H	32.3 W. of E. L. State st.
N. E. cor. Brown st.	State st.	State st.	H	32.3 W. of E. L. State st.
S. E. cor. Vincent Place.	State st.	State st.	D	30.5 W. of E. L. State st.
S. E. cor. Vincent Place.	State st.	State st.	D	30.5 W. of E. L. State st.
S. E. cor. Vincent Place.	* Vincent Place.	* Vincent Place.	D	22.5 N. of N. E. Building S. E. Cor.
N. W. cor. Smith st.	* Smith st.	* Smith st.	D	21.8 S. of N. L. Smith st.
S. W. cor. Lyell st.	* Lyell st.	* Lyell st.	D	23.5 N. of S. L. Lyell st.
				17.0 E. of W. L. State st. (S)
				11.1 E. of W. L. State st. (S)
				5.8 W. of E. L. Lakeave.
				5.4 N. of N. E. Building S. E. cor.
				4.0 E. of W. L. State st. (S)
				3.6 S. of N. L. Brown st.
				13.6 E. of W. L. State st. (S)
				3.4 N. of S. L. Brown st.
				9.2 E. of W. L. State st. (S)
				11.8 E. of W. L. State st. (S)
				9.0 W. of E. L. State st. (S)
				2.3 S. of N. L. Farmace st.
				4.5 N. of N. E. St. R. R. Barn.
				10.3 E. of W. L. State st. (N)
				10.3 W. of E. L. State st. (S)
				8.0 E. of W. L. State st. (N)
				48.5 N. of N. L. Allen st.
				8.8 E. of W. L. State st. (N)
				13.0 E. of W. L. State st. (N)
				18.0 N. of S. L. Allen st.
				6.5 W. of E. L. State st. (N)
				9.2 W. of E. L. State st. (N)
				68.3 N. of N. L. Market st.
				2.7 W. of E. L. State st. (N)
				6.2 W. of E. L. State st.
				7.1 W. of E. L. State st.
				13.0 S. of N. L. Main st.
				13.7 S. of N. L. Main st.
				9.6 W. of W. L. State st.
				6.5 W. of W. L. State st.

* Turns to left to open.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.
Stillson Street. From University ave. to Main st.	S. E. cor. University ave. S. E. cor. Grove st. N. E. cor. Main st.	Stillson st. Grove st. Stillson st.	D D D	4 4 4	5.6 N. of S. L. University ave. 9.3 W. of W. F. Church, N. E. cor. 2.0 S. of N. L. Main st. (E)
St. Joseph Street. From Clinton Place to Atwater st.	S. E. cor. Atwater st. N. E. cor. Atwater st.	St. Joseph st. St. Joseph st.	D D	4 4	23.6 W. of E. L. St. Joseph st. 23.5 W. of E. L. St. Joseph st.
Stone Street.	S. E. cor. Main st. S. E. cor. Main st. S. W. cor. Ely st. Opp. S. W. cor. Ely st. N. E. cor. Court st. Opp. N. W. cor. Court st.	Stone st. Stone st. *Ely st. Stone st. Stone st. *Court st.	D H H H D H	4 12 8 8 4 4	12.2 W. of E. L. Stone st. 13.1 W. of E. L. Stone st. 11.5 N. of S. L. Ely st. 12.6 W. of E. L. Stone st. 13.5 W. of W. F. Buildings, N. E. cor. 22.8 N. of S. L. Court st.
N. St. Paul Street. From Main Street to Hart ave.	N. W. cor. Main st. N. W. cor. Mortimer st. S. W. cor. Andrews st. S. W. cor. Atwater st. S. E. cor. Ward st. S. E. cor. Ward st. S. E. cor. Hart st. S. E. cor. Gorham st. S. E. cor. Gorham st. S. W. cor. Vincent Place. N. E. cor. Lowell st. S. E. cor. Lowell st. S. E. cor. Lowell st.	St. Paul st. St. Paul st. St. Paul st. *River st. St. Paul st. St. Paul st. *Ward st. St. Paul st. St. Paul st. *Vincent Place. *Lowell st. St. Paul st. *Lowell st.	H D D D D D D D D D D D D	6 6 6 4 6 8 4 6 6 2 2 6 4	22.5 E. of W. L. St. Paul st. 21.4 E. of W. L. St. Paul st. 23.2 E. of W. L. St. Paul st. (S) 35.8 E. of W. L. St. Paul st. 23.1 S. of N. L. River st. 21.6 E. of W. L. St. Paul st. 22.6 W. of E. L. St. Paul st. 16.8 S. of N. L. Ward st. 17.8 N. of S. L. Hand st. 23.3 W. of E. L. St. Paul st. (S) 22.8 N. of S. L. Gorham st. 39.0 S. of N. L. Vincent Place. 24.3 S. of N. L. Lowell st. (W) 24.4 W. of E. L. St. Paul st. (N) 22.9 N. of S. L. Lowell st. (E) 38.4 S. of N. L. Hart ave.
S. St. Paul Street.	S. W. cor. Main st. S. W. cor. Main st. S. E. cor. Ely st. S. E. cor. Ely st. Hyd't bet. Ely and Court sts. N. E. cor. Court st.	St. Paul st. St. Paul st. *Ely st. *Ely st. Hyd't Br. in S. Paul st. St. Paul st. *Court st.	H D H H D D D	6 16 6 4 4 16 16	24.2 E. of W. L. St. Paul st. 21.9 E. of W. L. St. Paul st. 10.7 N. of S. L. Main st. 6.2 W. of E. L. St. Paul st. (N) 6.0 W. of E. L. St. Paul st. (N) 9.5 S. of N. L. Court st. (E) 7.1 W. of E. L. St. Paul st. (N)

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.	
S. St. Paul Street. (Continued.)	S. W. cor. Court st. Hy'd' bet. Court & Jack's n sts. N. E. cor. Jackson st. S. E. cor. Howell st. S. E. cor. Marshall st. Hy'd' t opp. Griffith st. S. E. cor. Griffith st. Opp. N. E. cor. Griffith st. St. Paul st.	St. Paul st. Hy't Br. in St. Paul st. *Jackson st. *Howell st. *Marshall st. Hy't Br. in St. Paul st. *Griffith st. St. Paul st.	D D D D D D D D	16 4 4 6 6 4 4 16	24, 4 E. of W. L. St. Paul st. (S.) 3, 0 Directly before hydrant 11, 8 S. of N. L. Jackson st. 24, 5 N. of S. L. Howell st. 24, 1 N. of S. L. Marshall st. 3, 7 Directly before hydrant. 32, 5 S. of N. L. Griffith st. 7, 3 E. of W. railing St. Paul st. bridge.	8, 1 N. of S. L. Court st. (E.) 7, 5 W. of E. L. St. Paul st. (S.) 9, 3 W. of E. L. St. Paul st. (S.) 6 W. of E. L. St. Paul st. (N.) 7, 7 W. of E. L. St. Paul st. 15, 6 S. of N. L. Griffith st.
Swan Street. (Not Extended.)	S. E. cor. Main st.	Swan st.	D	4	14, 5 W. of E. L. Swan st.	10, 6 N. of S. L. Main st. (E.)
Syracuse Street. (Not Extended.)	Opp. S. E. cor. North ave.	*North ave.	D	8	22, 0 S. of N. L. North ave.	3, 7 W. of E. L. Syracuse st.
Tappan Street. (Not Extended.)	S. E. cor. North st.	*North st.	D	12	27, 1 W. of E. L. North st.	3, 0 N. of S. L. Tappan st.
From North St. to Scio St.	N. E. cor. North st. S. E. cor. Finney st. N. W. cor. Finney st. N. E. cor. Scio st.	Tappan st. *Finney st. Tappan st. Tappan st.	D D D D	6 6 4 4	16, 2 S. of N. L. Tappan st. 17, 6 W. of E. L. Finney st. 19, 6 S. of N. L. Tappan st. 18, 1 S. of N. L. Tappan st.	5, 8 W. of E. L. North st. (S.) 4, 5 N. of S. L. Tappan st. 5, 2 E. of W. L. Scio st. 5, 1 W. of E. L. Scio st.
Temple Street. (Not Extended.)	S. W. cor. Chestnut st.	Temple st.	D	4	17, 7 N. of S. L. Temple st.	5, 9 E. of W. L. Chestnut st.
Terry Street. (Not Extended.)	S. W. cor. Frances st.	Terry st.	D	4	15, 9 N. of S. L. Terry st.	4, 5 E. of W. L. Frances st. (S.)
Third Street. (Not Extended.)	S. E. cor. McCracken st. S. E. cor. McCracken st.	*McCracken st. Third st.	D D	4 4	24, 0 N. of S. L. McCracken st. 18, 1 W. of E. L. Third st.	6, 1 W. of E. L. Third st. 8, 0 N. of S. L. McCracken st.
Thompson Street. (Not Extended.)	N. E. cor. Lyell st.	Thompson st.	D	6	21, 4 W. of E. L. Thompson st.	9, 0 S. of N. L. Lyell st.
Tonawanda St. (Not Extended.)	N. W. cor. Wilder st.	Tonawanda st.	D	4	7, 7 S. of N. L. Tonawanda st.	9, 5 E. of W. L. Wilder st.
Tremont Street. (Not Extended.)	S. W. cor. Plymouth ave. S. W. cor. Plymouth ave. S. E. cor. Caldonia ave. N. E. cor. Caldonia ave. S. W. cor. Caldonia ave. S. E. cor. Frances st.	*Plymouth ave. Tremont st. Tremont st. *Caldonia ave. Tremont st. Tremont st.	D D D D D D	8 12 13 16 4 6	22, 4 E. of W. L. Plymouth ave. (S.) 30, 0 N. of S. L. Tremont st. 24, 5 N. of S. L. Tremont st. 17, 3 W. of E. L. Caldonia ave. 24, 0 N. of S. L. Tremont st. 33, 3 N. of S. L. Tremont st.	0, 3 N. of S. L. Tremont st. 6, 9 E. of W. L. Plymouth ave. (S.) 2, 5 W. of E. L. Caldonia ave. (N.) 5, 3 S. of N. L. Tremont st. (E.) 5, 3 E. of W. L. Caldonia ave. 5, 7 W. of E. L. Frances st. 5, 2 E. of W. L. Frances st.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.
Troup Street.	S. W. cor. Exchange st.	*Exchange st.	D	8	10.3 E. of W. L. Exchange st. (S.)
	S. W. cor. Exchange st.	Troup st.	D	6	19.5 N. of S. L. Troup st.
	N. E. cor. Fitzhugh st.	*Fitzhugh st.	D	4	21.8 W. of E. L. Fitzhugh st.
	S. E. cor. Plymouth ave.	Troup st.	D	6	21.0 N. of S. L. Troup st.
	N. W. cor. Plymouth ave.	*Plymouth ave.	D	12	21.2 E. of W. L. Plymouth ave. (N.)
	S. W. Plymouth ave.	Troup st.	D	6	21.2 E. of W. L. Troup st. (E.)
	S. W. cor. Washington st.	*Washington st.	D	4	11.8 E. of S. L. Washington st.
	S. W. cor. Washington st.	Troup st.	D	4	11.8 E. of W. L. Troup st.
	S. E. cor. Greenwood ave.	*Greenwood ave.	D	6	22.1 N. of S. L. Greenwood ave.
	S. E. cor. Eagle st.	*Eagle st.	D	4	14.8 W. of E. L. Eagle st.
	S. E. cor. Calcedonia ave.	Troup st.	D	6	21.5 N. of S. L. Troup st.
	S. E. cor. Calcedonia ave.	Troup st.	D	6	21.5 N. of S. L. Troup st.
	N. W. cor. Ford st.	Troup st.	D	6	21.5 N. of S. L. Troup st.
	N. W. cor. Ford st.	*Ford st.	D	6	22.4 E. of W. L. Ford st.
	S. W. cor. Ford st.	*Ford st.	D	4	22.4 E. of W. L. Ford st.
	S. W. cor. Ford st.	Troup st.	D	4	22.5 N. of S. L. Troup st. (W.)
	S. E. cor. Prospect st.	Troup st.	D	6	21.3 N. of S. L. Troup st.
	S. W. cor. Prospect st.	Troup st.	D	4	21.5 N. of S. L. Troup st.
W. Troup Street.	S. E. cor. Frances st.	W. Troup st.	D	4	23.5 N. of S. L. Troup st.
	S. W. cor. Frances st.	W. Troup st.	D	4	15.0 N. of S. L. Troup st.
Trowbridge St. (Not Extended.)	S. E. cor. West ave.	Trowbridge st.	D	4	30.7 W. of E. L. Trowbridge st.
Tyler Street. (Not Extended.)	N. E. cor. North st.	Tyler st.	D	4	22.8 S. of N. L. Tyler st.
N. Union Street From East Ave. to Main St.	S. W. cor. East ave.	*East ave.	D	8	21.5 N. of S. L. East ave.
	S. E. cor. East ave.	*East ave.	D	8	25.2 N. of S. L. East ave.
	N. W. cor. East ave.	Union st.	D	6	21.9 E. of W. L. Union st.
	N. W. cor. Charlotte st.	*Charlotte st.	D	4	15.5 S. of N. L. Charlotte st.
	N. W. cor. Charlotte st.	Union st.	D	6	20.0 E. of W. L. Union st.
	S. W. cor. University ave.	Union st.	D	6	19.4 E. of W. L. Union st.
	S. W. cor. Main st.	Union st.	D	6	19.3 E. of W. L. Union st.
	N. W. cor. Main st.	Union st.	D	6	19.5 E. of W. L. Union st.
S. Union Street	S. W. cor. East ave.	*East ave.	D	8	21.7 N. of S. L. East ave.
	S. E. cor. East ave.	*East ave.	D	8	22.2 N. of S. L. East ave.
	S. W. cor. East ave.	Union st.	D	8	17.2 E. of W. L. North Union st.
					5.7 N. of S. L. East ave. (W.)
					On W. L. North Union st.
					1.2 E. of E. L. North Union st.
					5.3 S. of N. L. East ave.
					7.0 E. of W. L. Union st.
					5.2 S. of N. L. Charlotte st.
					5.0 N. of S. L. University ave.
					10.0 N. of S. L. Main st.
					10.0 S. of N. L. Main st.
					On W. L. North Union st.
					1.2 E. of E. L. North Union st.
					5.7 N. of S. L. East ave. (W.)

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size.		CO-ORDINATES.
				(in.)		
S. Union Street. (Continued.)	N. W. cor. Court st.	*Court st.	D	8	30.0 N. of S. L. Court st.	5.9 E. of W. L. Union st.
	N. W. cor. Monroe ave.	Union st.	D	6	19.7 E. of W. L. Union st.	2.7 S. of N. L. Monroe ave. (W.)
	S. W. cor. Monroe ave.	*Monroe ave.	D	12	21.8 N. of S. L. Monroe ave. (E.)	6.2 E. of W. L. Union st.
	S. W. cor. Monroe ave.	Union st.	D	6	18.8 E. of W. L. Union st.	5.0 N. of S. L. Monroe ave.
University Ave. From North St. to Prince St.	N. E. cor. North st.	University ave.	D	6	22.2 S. of N. L. University ave.	7.8 W. of E. L. North st.
	S. E. cor. Stillson st.	*Stillson st.	D	4	12.0 W. of E. L. Stillson st.	5.0 N. of S. L. University ave.
	S. E. cor. Gibbs st.	*Gibbs st.	D	6	24.0 W. of E. L. Gibbs st.	5.7 N. of S. L. University ave. (E.)
	N. E. cor. Scio st.	University ave.	D	6	23.0 S. of N. L. University ave.	7.5 E. of W. L. Scio st.
	N. E. cor. Scio st.	University ave.	D	4	22.5 S. of N. L. University ave.	3.5 W. of E. L. Scio st.
	N. E. cor. Main st.	University ave.	D	4	23.6 W. of E. L. University ave.	14.6 S. of W. L. Main st. (E.)
	N. W. cor. Main st.	*Main st.	D	16	30.7 S. of N. L. Main st. (E.)	7.1 E. of W. L. Main st. (E.)
	S. E. cor. Main st.	University ave.	D	4	23.8 W. of E. L. University ave.	9.3 N. of S. L. Main st. (E.)
	S. W. cor. Union st.	Union st.	D	6	19.4 E. of W. L. Union st.	5.0 N. of S. L. University ave.
	S. W. cor. Alexander st.	University ave.	D	4	24.8 S. of N. L. University ave.	3.5 E. of W. L. Alexander st.
	N. W. cor. Prince st.	University ave.	D	4	21.0 S. of N. L. University ave.	5.2 E. of W. L. Prince st.
	S. W. cor. Prince st.	*Prince st.	D	6	31.2 E. of W. L. Prince st.	5.8 N. of S. L. University ave. (W.)
Van Street. (Not Extended.) Vienna Street. (Not Extended.) Vinecent Place.	S. E. cor. Alexander st.	Van st.	D	4	11.0 W. of E. L. Van st.	3.4 N. of S. L. Alexander st.
	Opp. S. W. cor. Hudson st.	*Hudson st.	D	6	22.1 W. of E. L. Hudson st.	4.8 N. of S. L. Vienna st.
	S. W. cor. St. Paul st.	Vinecent Pl.	D	6	30.0 S. of N. L. Vincent Pl.	6.5 E. of W. L. St. Paul st.
	S. E. cor. State st.	Vinecent Pl.	D	4	32.5 N. of N. E. Building S. E. cor.	5.8 W. of E. L. Lake ave.
Vine Street. (Not Extended.) Wall Street. (Not Extended.) Walnut Street. (Not Extended.)	S. E. cor. Lake ave.	*Lake ave.	D	8	33.3 W. of E. L. Lake ave.	8.4 N. of N. L. Smith st.
	S. E. cor. State st.	*State st.	D	16	30.5 W. of E. L. State st. (S.)	5.4 N. of N. E. building S. E. cor.
	S. E. cor. East st.	Vine st.	D	4	13.6 N. of S. L. Vine st.	2.2 W. of E. L. East st.
	S. E. cor. West ave.	Wall st.	D	4	21.0 W. of E. L. Wall st.	8.2 N. of S. L. West ave.
Ward Street. (Not Extended.)	S. E. cor. Magne st.	Walnut st.	D	4	19.8 W. of E. L. Walnut st.	6.8 N. of S. L. Magne st. (W.)
	Opp. N. W. cor. Clinton st.	*Clinton st.	D	12	23.2 W. of E. L. Clinton st.	7.4 S. of N. L. Ward st.
	N. W. cor. Clinton st.	Ward st.	D	8	18.9 S. of N. L. Ward st.	6.3 E. of W. L. Clinton st. (N.)
	N. E. cor. Shamrock st.	*Shamrock st.	D	4	12.5 W. of E. L. Shamrock st.	4.8 S. of N. L. Ward st.
Ward Street. (Not Extended.)	N. E. cor. Emmet st.	*Emmet st.	D	4	18.0 W. of E. L. Emmet st.	3.3 S. of N. L. Ward st.

TABLE No. 2- CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN	System.	Size. (in.)	CO-ORDINATES.
Ward Street (Continued.)	N. E. cor. St. Paul st. S. E. cor. St. Paul st.	Ward st. *St. Paul st.	D D	8 6	45.8 S. of N. L. Ward st. 22.6 W. of E. L. St. Paul st.
Warehouse Street (Not Extended.)	N. W. cor. Allen st. S. E. cor. Platt st.	Warehouse st. *Platt st.	D D	4 6	37.2 W. of E. L. Warehouse st. 18.9 N. of S. L. Platt st.
N. Washington St.	Opp. S. W. cor. Allen st. N. W. cor. Main st.	*Allen st. Washington st.	D D	8 6	32.9 S. of N. L. Allen st. 21.0 E. of W. L. Washington st.
S. Washington St.	S. W. cor. Main st. S. W. cor. Main st.	Washington st. Washington st.	D H	4 4	21.1 E. of W. L. Washington st. (S) 22.4 E. of W. L. Washington st. (S)
Washington St.	N. W. cor. Spring st. S. W. cor. Spring st.	Washington st. Washington st.	D D	4 4	28.0 E. of W. L. Washington st. (N) 25.1 E. of E. Fence, L. S. W. cor.
Washington Pl.	S. W. cor. Trump st.	Washington st.	D	4	11.8 E. of W. L. Washington st.
Washington Pl.	Opp. Arsenal Front. Inter'n Monroe av. & Green st. Inter'n Monroe av. & Green st.	*South st. Washington Place *Clinton st.	D D D	4 12 4	22.0 E. of W. L. South st. 30.8 S. of N. F. Arsenal. 5.5 W. of E. L. Clinton st.
Water Street	S. E. cor. Main st. S. E. cor. Main st.	Water st. Water st.	D H	4 6	12.5 W. of E. L. Water st. 13.8 W. of E. L. Water st.
Water Street	From Main St. to Atwater St.	Water st. Water st.	H H	8 6	16.8 W. of E. L. Water st. 15.3 W. of E. L. Water st.
Water Street	N. E. cor. Main st. N. E. cor. Andrews st.	Water st. Water st.	D H	6 8	20.9 W. of E. L. Water st. (N) 22.2 W. of E. L. Water st. (N)
Water Street	N. E. cor. Atwater st. S. E. cor. Atwater st.	*Atwater st. *Atwater st.	H H	6 8	13.0 N. of S. L. Atwater st. 13.7 N. of S. L. Atwater st.
Webster Street	Opp. N. W. cor. North st. S. W. cor. North st.	*North st. Webster st.	D D	12 8	25.0 W. of E. L. North st. 24.3 N. of S. L. Webster st.
Webster Street	Opp. S. E. cor. Hudson st. Opp. S. E. cor. Hudson st.	*Hudson st. *Lat'l from Hudson st.	D D	6 6	40.3 E. of W. L. Hudson st. 35.7 E. of W. L. Hudson st.
Weld Street	N. E. cor. North st. From North St. to Scio St.	Weld st. Weld st.	D D	4 4	19.8 S. of N. L. Weld st. 18.0 S. of N. L. Weld st.

+First ordinate parallel to Clinton st., and 2nd is at right angles to same.

+First ordinate is at right angles to Clinton st., and 2nd is parallel to same.

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.	
Wentworth St. (Not Extended.)	N. E. cor. West ave.	Wentworth st.	D	4	12.0 W. of E. L. Wentworth st.	5.0 S. of N. L. West ave.
Wesley Street. (Not Extended.)	N. W. cor. North ave	Wesley st.	D	4	12.4 E. of W. L. Wesley st.	4.1 S. of N. L. North ave.
West Avenue.	N. E. cor. Ford st.	West ave.	D	6	23.2 S. of N. L. West ave.	5.0 W. of E. L. Ford st. (N.)
	N. E. cor. Ford st.	*Ford st.	D	2	32.2 W. of E. L. Ford st.	6.2 S. of N. L. West ave.
	S. E. cor. Trowbridge st.	*Trowbridge st.	D	2	30.1 W. of E. L. Trowbridge st.	7.0 N. of S. L. West ave. (E.)
	S. E. cor. Prospect st.	West ave.	D	8	33.8 S. of N. L. West ave.	10. W. of E. L. Prospect st.
	Opp. S. E. cor. Prospect st.	*Prospect st.	D	8	33.8 W. of E. L. Prospect st.	10. N. of S. L. Prospect st.
	N. E. cor. Prospect st.	*Litchfield st.	D	4	13.8 E. of W. L. Litchfield st.	0.0 S. of N. L. West ave.
	N. W. cor. Litchfield st.	*King st.	D	6	18.7 W. of E. L. King st.	6.3 S. of N. L. West ave.
	N. E. cor. King st.	*Reynolds st.	D	6	31.0 W. of E. L. Reynolds st.	7.3 N. of S. L. West ave. (E.)
	S. E. cor. Reynolds st.	*Madison st.	D	4	20.8 E. of W. L. Madison st.	7.0 S. of N. L. West ave.
	N. W. cor. Madison st.	West ave.	D	12	33.3 S. of N. L. West ave.	4.4 W. of E. L. Frances st. (S.)
	N. E. cor. Frances st.	*Frances st.	D	16	20.5 E. of W. L. Frances st.	8.0 N. of S. L. West ave. (E.)
	S. W. cor. Frances st.	*Frances st.	D	16	19.2 E. of W. L. Frances st.	6.0 S. of N. L. West ave.
	N. W. cor. Frances st.	West ave.	D	12	33.0 S. of N. L. West ave.	9.3 E. of W. L. Frances st. (N.)
	N. E. cor. Wentworth st.	*Wentworth st.	D	4	12.0 W. of E. L. Wentworth st.	9.0 S. of N. L. West ave.
	S. E. cor. Wall st.	*Wall st.	D	4	21.0 W. of E. L. Wall st.	8.2 N. of S. L. West ave.
	N. E. cor. Brown st.	West ave.	D	12	22.5 S. of N. L. West ave.	12.3 E. of E. L. Genesee st.
	N. E. cor. Brown st.	*Brown st.	D	4	12.5 W. of E. L. Brown st.	11.0 S. of N. L. West ave.
	S. E. cor. Brown st.	*Genesee st.	D	12	23.5 W. of E. L. Genesee st.	8.5 N. of S. L. West ave.
	N. W. cor. Brown st.	West ave.	D	12	24.0 S. of N. L. West ave. (E.)	1.5 W. of W. L. Genesee st.
West Street. (Not Extended.)	N. E. cor. Lyell st.	West st.	D	6	22.0 W. of E. L. West st.	10.7 S. of N. L. Lyell st.
White Street. From Lake ave. East.	S. W. cor. Lake ave.	White st.	D	4	21.5 N. of S. L. White st. (E.)	12.1 E. of W. L. Lake ave. (N.)
	S. E. cor. Lake ave.	White st.	D	3	19.2 N. of S. L. White st. (E.)	6.9 W. of E. L. Lake ave. (N.)
Wildier Street. From Brown st. to Grape st.	N. E. cor. Brown st.	*Brown st.	D	6	4.1 S. of N. L. Brown st.	18.8 W. of E. L. Wildier st.
	N. W. cor. Tonawanda st.	*Tonawanda st.	D	4	7.7 S. of N. L. Tonawanda st.	9.5 E. of W. L. Wildier st.
	N. W. cor. Grape st.	Wildier st.	D	6	18.2 S. of N. L. Wildier st. (W.)	13.0 E. of W. L. Grape st.
William Street.	S. W. cor. East ave.	*East ave.	D	8	23.6 N. of S. L. East ave.	3.8 E. of W. L. William st.
	S. E. cor. East ave.	*James st.	D	4	19.2 W. of E. L. William st.	4.2 N. of S. L. East ave.
	S. W. cor. James st.	William st.	D	4	39.2 S. of N. L. James st.	5.5 E. of W. L. William st.
	N. E. cor. Court st.	*Court st.	D	6	21.2 W. of E. L. William st.	4.6 S. of N. L. Court st.
	N. E. cor. Court st.	William st.	D	10	39.5 N. of S. L. Court st.	8.2 W. of E. L. William st. (N.)

TABLE No. 2—CONTINUED.

NAME OF STREET.	LOCATION OF GATE.	MAIN WHEREIN.	System.	Size. (in.)	CO-ORDINATES.
William Street.	S. E. cor. Court st.	William st.	D	4	19.5 W. of E. L. William st.
(Continued.)	S. E. cor. George st.	*George st.	D	4	19.4 N. of S. L. George st.
	S. W. cor. George st.	*George st.	D	4	20.8 S. of N. L. William st.
	N. E. cor. Monroe ave.	William st.	D	4	19.9 W. of E. L. William st.
Woodbury Street.	S. W. cor. North st.	Woodbury st.	D	4	16.0 N. of S. L. Woodbury st.
(Not Extended.)	Head of Graves st.	Supply Pipe.	S	P 24	18.5 E. of W. L. Graves st.
Supply Pipe.	Cor. Front and Main sts.	Domes. & supply pipe.	P	C 10	20.6 S. of N. L. Main st. (W.)
From H'd of Graves	Front st. near Hay Market.	Later 1 ft. Supply pipe	B	O 6	21.2 E. of W. L. Front st.
St., thro' Mumford,	Opp. Pump House.	Supply pipe.	S	P 24	17.6 N. of N. F. Greenwood's Bldg.
State, Furnace, &					18.0 E. of W. F. Greenwood's Bldg.
Mill Sts. to Pump					
House.					

SUMMARY OF STOP GATES.

SYSTEM.	NUMBER AND SIZE OF GATES.													Totals.
	1 in.	2 in.	2½ in.	3 in.	4 in.	6 in.	8 in.	10 in.	12 in.	16 in.	20 in.	24 in.		
Domestic System.....	2	7	2	4	214	190	63	3	36	35	6	.....	562
Holly System.....					32	20	12	5	4	4	3	.....	80
Supply Pipe System.....						4			9			2	2	
Connections Domestic and Holly Systems.....								1					13	
Connections Domestic and Supply Pipe Systems.....						3							3	
Blow Offs on Domestic Systems.....													1	
Blow Offs on Holly Systems.....					1								1	
Blow Offs on Supply Pipe.....													1	
Totals.....	2	7	2	4	247	218	75	18	40	39	9	2	663	
NOTE.—561 of these are "Undrow" gates and two of them are "Peet" gates. One of the "Peet" gates is 6 in. size and inscribed a Holly main; the other														

NOTE—661 of these are "Ludlow" gates and two of them are "Peet" gates. One of the "Peet" gates is 6 in. size and inserted in a Holly main, the other is 4 in. in size and inserted in a Domestic main.

